

SANTA CRUZ BIOTECHNOLOGY, INC.

TH (A-6): sc-374048



The Power of Detection

BACKGROUND

The enzyme tyrosine hydroxylase (TH), also designated tyrosine 3-monooxygenase (TY3H), catalyzes the conversion of tyrosine to L-dopa, which is the rate limiting step in the biosynthesis of catecholamines such as Dopamine, adrenalin and noradrenalin. TH is thought to play a role in the pathogenesis of Parkinson's disease, which is associated with reduced Dopamine levels. Two transcription factor binding sites in the proximal region of the TH gene, the TPA-responsive element (TRE) and the cAMP responsive element (CRE), have been implicated in the complex regulation of the TH gene. TH is also known to be upregulated by the glia maturation factor (GMF), a Cdc10/Swi6 motif-containing protein called V-1, and a variety of additional compounds.

REFERENCES

1. Stull, N.D., et al. 1996. Acidic fibroblast growth factor and catecholamines synergistically upregulate tyrosine hydroxylase activity in developing and damaged dopamine neurons in culture. *J. Neurochem.* 67: 1519-1524.
2. Nagatsu, T., et al. 1998. Catecholamine synthesis and release. Overview. *Adv. Pharmacol.* 42: 1-14.
3. Haavik, J., et al. 1998. Tyrosine hydroxylase and Parkinson's disease. *Mol. Neurobiol.* 16: 285-309.
4. Trocme, C., et al. 1998. CRE and TRE sequences of the rat tyrosine hydroxylase promoter are required for TH basal expression in adult mice but not in the embryo. *Eur. J. Neurosci.* 10: 508-521.
5. Zaheer, A., et al. 1998. Overexpression of glia maturation factor (GMF) in PC12 pheochromocytoma cells activates p38 MAP kinase, MAPKAP kinase-2 and tyrosine hydroxylase. *Biochem. Biophys. Res. Commun.* 250: 278-282.
6. Yamakuni, T., et al. 1998. A novel protein containing Cdc10/Swi6 motifs regulates expression of mRNA encoding catecholamine biosynthesizing enzymes. *J. Biol. Chem.* 273: 27051-27054.
7. Boundy, V.A., et al. 1998. Regulation of tyrosine hydroxylase promoter activity by chronic morphine in TH9.0-LacZ transgenic mice. *J. Neurosci.* 18: 9989-9995.

CHROMOSOMAL LOCATION

Genetic locus: TH (human) mapping to 11p15.5; Th (mouse) mapping to 7 F5.

SOURCE

TH (A-6) is a mouse monoclonal antibody specific for an epitope mapping between amino acids 500-526 at the C-terminus of TH of human origin.

PRODUCT

Each vial contains 200 µg IgM in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

TH (A-6) is recommended for detection of TH of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TH siRNA (h): sc-36662, TH siRNA (m): sc-36661, TH shRNA Plasmid (h): sc-36662-SH, TH shRNA Plasmid (m): sc-36661-SH, TH shRNA (h) Lentiviral Particles: sc-36662-V and TH shRNA (m) Lentiviral Particles: sc-36661-V.

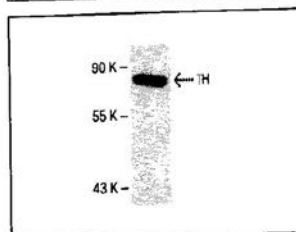
Molecular Weight of TH: 60 kDa.

Positive Controls: PC-12 cell lysate: sc-2250, PC-12 + NGF cell lysate: sc-3808 or mouse brain extract: sc-2253.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgM-HRP: sc-2064 (dilution range: 1:500-1:5,000), TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein L PLUS-Agarose: sc-2336 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-mouse IgM-FITC: sc-2082 (dilution range: 1:100-1:400) or goat anti-mouse IgM-TR: sc-2983 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



TH (A-6): sc-374048. Western blot analysis of TH expression in PC-12 whole cell lysate.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

00P-2-2

SANTA CRUZ BIOTECHNOLOGY, INC.

rabbit anti-mouse IgM-FITC: sc-358950



BACKGROUND

Santa Cruz Biotechnology's secondary antibodies are available conjugated to either an enzyme, biotin or fluorophore for use in a variety of antibody-based applications including Western Blot, immunostaining, flow cytometry and ELISA. Secondary antibodies are commonly affinity purified against immobilized whole IgG or against antibody fragments. Santa Cruz Biotechnology offers an extensive selection of secondary antibodies optimized for immunohistochemistry and flow cytometry, and are labeled with either biotin, FITC (fluorescein isothiocyanate), Texas Red®, TRITC (tetramethyl rhodamine isothiocyanate), PE (phycoerythrin), PerCP (peridinin chlorophyll protein complex) and PerCP-Cy5.5 (peridinin chlorophyll protein complex with cyanin-5.5). Immunohistochemistry and flow cytometry secondary antibodies are specific for commonly used primary antibody species, including goat, rabbit, mouse and rat.

SOURCE

rabbit anti-mouse IgM-FITC is a pre-adsorbed, affinity purified secondary antibody raised in rabbit against mouse IgM and conjugated to FITC (fluorescein isothiocyanate).

PRODUCT

Each vial contains 200 µg rabbit IgM (pre-adsorbed with mouse and human IgG) in 0.5 ml of either PBS containing 0.02% sodium azide (for IF), or PBS containing 0.1% gel and 0.1% sodium azide (for FCM).

APPLICATIONS

rabbit anti-mouse IgM-FITC is recommended for detection of mouse IgM by immunofluorescence staining (starting dilution: 1:100, dilution range: 1:100-1:400), immunohistochemical staining (starting dilution: 1:100, dilution range: 1:100-1:400) and flow cytometry (0.5-1 µg per 1 x 10⁶ cells).

RECOMMENDED SUPPORT PRODUCTS

A. TISSUE CULTURE CELLS

- CrystalCruz™ Cover Glasses, 22 x 50 mm, precleaned: sc-24975
- CrystalCruz™ Micro Slides 75 x 25 mm; 72 frosted sides: sc-24976
- PBS (Phosphate Buffered Saline), powder, 1 packet: sc-24947
- Formaldehyde, 37% formaldehyde solution, 25 ml: sc-203049
- Hydrogen Peroxide, 30% solution, 100 ml: sc-203336

B. FROZEN TISSUE SECTIONS

- Organo/Limonene Mount, non-toxic alternative to Permount, 100 ml: sc-45087
- UltraCruz™ Mounting Medium, aqueous-based, 10 ml: sc-24941
- ImmunoHistoMount, aqueous-based mounting medium, 30 ml: sc-45086
- Immuno In Situ Mount, for use with in situ hybridization, 30 ml: sc-45088

C. FORMALIN-FIXED, PARAFFIN-EMBEDDED TISSUE SECTIONS

- Paraffin, for the preparation of tissue samples for staining, 500 g: sc-286633
- Xylenes, mixed isomers with ethylbenzene, 500 ml: sc-237422
- Hematoxylin, Gill's Formulation #2; nuclear counter stain, 100 ml: sc-24973

Texas Red® is a registered trademark of Molecular Probes (6/02).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

Заличен печат - чл.37, ал. 1 от ЗЗК - търговска тайна;
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00P-7-3

SANTA CRUZ BIOTECHNOLOGY, INC.

Synaptotagmin I (15): sc-136480

SANTA CRUZ BIOTECHNOLOGY
The Power of Quality

BACKGROUND

Synaptotagmins are a large gene family of synaptic vesicle type III integral membrane proteins that function as regulators of both exocytosis and endocytosis and are involved in neurotransmitter secretion from small secretory vesicles. Calcium binds to Synaptotagmin I which triggers neurotransmitter release at the synapse. Synaptotagmin II is phosphorylated by WNK1 in a process that regulates calcium-dependent interactions. Synaptotagmin III is involved in calcium-dependent exocytosis of secretory vesicles in endocrine cells and neurons. Synaptotagmin IV is expressed in neuronal tissues, and has the highest mRNA levels in the hippocampus. The proximity of the Synaptotagmin IV gene to markers of several psychiatric disorders suggest an involvement of Synaptotagmin IV in human disease. Synaptotagmin V is a dense-core vesicle-specific protein that regulates a specific type of calcium-regulated secretion. Synaptotagmin VI interacts with adaptor protein-2 in a calcium-independent manner. Synaptotagmin VII is widely expressed in non-neuronal tissues.

REFERENCES

- Hilbush, B.S. and Morgan, J.I. 1994. A third Synaptotagmin gene, Syt3, in the mouse. *Proc. Natl. Acad. Sci. USA* 91: 8195-8199.
- Li, C., Ullrich, B., Zhang, J.Z., Anderson, R.G., Brose, N. and Sudhof, T.C. 1995. Ca²⁺-dependent and -independent activities of neural and non-neuronal Synaptotagmins. *Nature* 375: 594-599.
- Kishore, B.K., Wade, J.B., Schorr, K., Inoue, T., Mandon, B. and Knepper, M.A. 1998. Expression of Synaptotagmin VIII in rat kidney. *Am. J. Physiol.* 275: F131-F142.
- Xi, D., Chin, H. and Gainer, H. 1999. Analysis of Synaptotagmin I-IV messenger RNA expression and developmental regulation in the rat hypothalamus and pituitary. *Neuroscience* 88: 425-435.
- Ferguson, G.D., Chen, X.N., Korenberg, J.R. and Herschman, H.R. 2000. The human Synaptotagmin IV gene defines an evolutionary break point between syntenic mouse and human chromosome regions but retains ligand inducibility and tissue specificity. *J. Biol. Chem.* 275: 36920-36926.
- LocusLink Report (LocusID: 6860). <http://www.ncbi.nlm.nih.gov/LocusLink/>

CHROMOSOMAL LOCATION

Genetic locus: SYT1 (human) mapping to 12q21.2; Syt1 (mouse) mapping to 10 D1.

SOURCE

Synaptotagmin I (15) is a mouse monoclonal antibody raised against amino acids 250-259 of Synaptotagmin I of human origin.

PRODUCT

Each vial contains 200 µg IgG₁ in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

For research use only, not for use in diagnostic procedures. Not for resale.

APPLICATIONS

Synaptotagmin I (15) is recommended for detection of Synaptotagmin I of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for Synaptotagmin I siRNA (h): sc-41310, Synaptotagmin I siRNA (m): sc-41311, Synaptotagmin I shRNA Plasmid (h): sc-41310-SH, Synaptotagmin I shRNA Plasmid (m): sc-41311-SH, Synaptotagmin I shRNA (h) Lentiviral Particles: sc-41310-V and Synaptotagmin I shRNA (m) Lentiviral Particles: sc-41311-V.

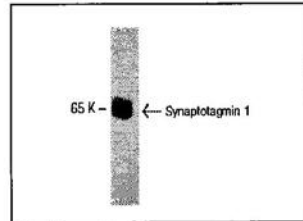
Molecular Weight of Synaptotagmin I: 40/65 kDa.

Positive Controls: rat brain extract: sc-2392.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048.

DATA



Synaptotagmin I (15): sc-136480. Western blot analysis of Synaptotagmin I expression in rat brain tissue extract.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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Signal Transduction Protein Phosphorylation Tyrosine Kinases Other

Anti-Alpha B Crystallin antibody (ab13497)

Abreviews (2) | Q&A (1) | Specific References (6)

Overview [Visit the Product Wall for Abreviews and Q&A](#)

| | |
|----------------------------|---|
| Product name | Anti-Alpha B Crystallin antibody See all Alpha B Crystallin primary antibodies ... |
| Description | Rabbit polyclonal to Alpha B Crystallin |
| Specificity | This antibody does not cross-react with beta Crystallin nor alpha A Crystallin. |
| Tested applications | IHC-Fr, WB, ICC, IP, IHC-P more details |
| Species reactivity | Reacts with: Mouse, Rat, Chicken, Cow, Human Predicted to work with: Rabbit, Hamster |
| Immunogen | Synthetic peptide: REEKPAYTAAPKK conjugated to KLH, corresponding to amino acids 163-175 of Human alpha B Crystallin. <div style="text-align: center;">Run BLAST with Run BLAST with </div> |
| General notes | For maximum product recovery, after thawing, centrifuge the product vial before removing cap |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: None Constituents: Whole Serum |
| Purity | Whole antiserum |
| Clonality | Polyclonal |
| Isotype | IgG |
| Research Areas | Signal Transduction Protein Phosphorylation Tyrosine Kinases Other Neuroscience Sensory System Visual system Neuroscience Neurotransmission Receptors / Channels Tyrosine Kinase Receptors Cancer Cancer Metabolism Cellular metabolic process Metabolism Types of disease Cancer |

Applications

Our Abpromise guarantee covers the use of **ab13497** in the following tested applications.
 The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| IHC-Fr | | Use at an assay dependent concentration. |

| | |
|----------------------|-------|
| Product code ab13497 | |
| Size | Price |
| 100 µl | |

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Anti-Alpha B Crystallin antibody ab13497






 2 Abreviews |  6 References |  2 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-Alpha B Crystallin antibody |
| Description | Rabbit polyclonal to Alpha B Crystallin |
| Specificity | This antibody does not cross-react with beta Crystallin nor alpha A Crystallin. |
| Tested applications | IHC-Fr, WB, ICC, IP, IHC-P |
| Species reactivity | Reacts with: Mouse, Rat, Chicken, Cow, Human Predicted to work with: Rabbit, Hamster  |
| Immunogen | Synthetic peptide: REEKPAVTAAPKK conjugated to KLH, corresponding to amino acids 163-175 of Human alpha B Crystallin.  Run BLAST with  Run BLAST with  |
| General notes | For maximum product recovery, after thawing, centrifuge the product vial before removing cap |











Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Storage buffer | Preservative: None Constituents: Whole Serum |
| Purity | Whole antiserum |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our Abpromise guarantee covers the use of **ab13497** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|---|---|
| IHC-Fr | | Use at an assay dependent concentration. |
| WB |      | 1/1000 - 1/2000. Detects a band of approximately 22 kDa (predicted molecular weight: 20 kDa). |
| ICC | | 1/200. |
| IP | | Use a concentration of 5 µg/ml. |
| IHC-P |      | Use at an assay dependent concentration. |

Target

| | |
|-------------------------------|--|
| Function | May contribute to the transparency and refractive index of the lens. |
| Tissue specificity | Lens as well as other tissues. |
| Involvement in disease | Defects in CRYAB are the cause of myofibrillar alpha-B crystallin-related (MFM-CRYAB) [MIM:608810], A neuromuscular disorder that results in weakness of the proximal and distal limb muscles, weakness of the neck, velopharynx and trunk muscles, hypertrophic cardiomyopathy, and cataract in a subset of patients. |
| Sequence similarities | Belongs to the small heat shock protein (HSP20) family. |

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All enter protein, target, biochemical, reagent... e.g. p53 **Search**

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Signal Transduction Protein Phosphorylation Tyrosine Kinases Other

Anti-Alpha B Crystallin (phospho S59) antibody (ab5577)

Abreviews (3) | [Submit a Question](#) | [Specific References \(1\)](#)

[Visit the Product Wall for Abreviews and Q&A](#)

| | |
|----------------------------|--|
| Product name | Anti-Alpha B Crystallin (phospho S59) antibody See all Alpha B Crystallin primary antibodies ... |
| Description | Rabbit polyclonal to Alpha B Crystallin (phospho S59) |
| Tested applications | IHC-Fr, WB, ICC/IF, IHC-P more details |
| Species reactivity | Reacts with: Mouse, Rat, Cow, Human Predicted to work with: Sheep, Rabbit, Hamster, Pig, Cynomolgus Monkey |
| Immunogen | Synthetic peptide corresponding to Human Alpha B Crystallin aa 54-64 (phospho S59). Sequence: FLRAPSWIDTG Run BLAST with Run BLAST with |
| Positive control | U373 MG cell lysate. |

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: 0.05% Sodium azide Constituents: 99% PBS, 3% BSA |
| Concentration | 100 µg at 1 mg/ml |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |
| Research Areas | Signal Transduction Protein Phosphorylation Tyrosine Kinases Other Neuroscience Sensory System Visual system Neuroscience Neurotransmission Receptors / Channels Tyrosine Kinase Receptors Cancer Cancer Metabolism Cellular metabolic process Metabolism Types of disease Cancer |

Applications

Our Abpromise guarantee covers the use of **ab5577** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-Fr | | Use at an assay dependent concentration. PubMed: 21126175 |
| WB | | Use a concentration of 0.5 µg/ml. Detects a band of approximately 20 kDa. |

| | |
|---------------------|--------------|
| Product code ab5577 | |
| Size | Price |
| 100 µg | |

CANCER
Autophagy: An overview

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- Donkey Anti-Rabbit IgG H&L (HRP) (ab16284)
 - Goat Anti-Rabbit IgG H&L (HRP) (ab97051)
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Заличен подпис - чл.2, ал.1 от ЗЗЛД

Anti-Alpha B Crystallin (phospho S59) antibody ab5577

☆☆☆☆☆ 3 Abreviews | 1 References | 2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-Alpha B Crystallin (phospho S59) antibody |
| Description | Rabbit polyclonal to Alpha B Crystallin (phospho S59) |
| Tested applications | IHC-Fr, WB, ICC/IF, IHC-P |
| Species reactivity | Reacts with: Mouse, Rat, Cow, Human Predicted to work with: Sheep, Rabbit, Hamster, Pig, Cynomolgus Monkey  |
| Immunogen | Synthetic peptide corresponding to Human Alpha B Crystallin aa 54-64 (phospho S59). Sequence: FLRAPSWIDTG Run BLAST with NCBI Run BLAST with EMBL |
| Positive control | U373 MG cell lysate. |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: 0.05% Sodium azide Constituents: 99% PBS, 3% BSA |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our Abpromise guarantee covers the use of **ab5577** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| IHC-Fr | | Use at an assay dependent concentration. PubMed: 21126175 |
| WB | | Use a concentration of 0.5 µg/ml. Detects a band of approximately 20 kDa. |
| ICC/IF | | Use a concentration of 8 µg/ml. |
| IHC-P | ☆☆☆☆☆ | Use a concentration of 8 µg/ml. |

Target

| | | |
|-------------------------------|--|--|
| Function | May contribute to the transparency and refractive index of the lens. | Заличен печат - чл.37, ал. 1 от 33К - търговска тайна; Заличен подпис - чл.2, ал.1 от 33ЛД |
| Tissue specificity | Lens as well as other tissues. | |
| Involvement in disease | Defects in CRYAB are the cause of myofibrillar alpha-B crystallin-related (MFM-CRYAB) [MIM:608810]. A neuromuscular disorder that results in weakness of the proximal and distal limb muscles, weakness of the neck, velopharynx and trunk muscles, hypertrophic cardiomyopathy, and cataract in a subset of patients. | |
| Sequence similarities | Belongs to the small heat shock protein (HSP20) family. | |
| Cellular localization | Cytoplasm. Nucleus. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known | |

009-7-6

SANTA CRUZ BIOTECHNOLOGY, INC.

KiSS-1 (24-Q): sc-101246



BACKGROUND

KiSS-1 is a 145 amino acid human protein that suppresses metastases of melanomas and breast carcinomas without affecting tumorigenicity. The human KiSS-1 gene maps to chromosome 1q32 and consists of four exons. Transcripts for human KiSS-1 are predominantly expressed in the brain and placenta. KiSS-1 protein contains a polyproline-rich domain (SH3 ligand) and a putative protein kinase C- α phosphorylation site. KiSS-1 may regulate events downstream of cell-matrix adhesion in mechanisms involving cytoskeletal reorganization. Expression of KiSS-1 reduces the level of NF κ B p50/p65 binding to the MMP-9 promoter and correlates with diminished expression of the 92 kDa type IV collagenase (MMP-9). KiSS-1 displays agonist activity on the orphan G protein-coupled receptor GPR54.

REFERENCES

1. Lee, J.H., et al. 1996. KiSS-1, a novel human malignant melanoma metastasis-suppressor gene. *J. Natl. Cancer Inst.* 88: 1731-1737.
2. Lee, J.H. and Welch, D.R. 1997. Suppression of metastasis in human breast carcinoma MDA-MB-435 cells after transfection with the metastasis suppressor gene, KiSS-1. *Cancer Res.* 57: 2384-2387.
3. West, A., et al. 1998. Chromosome localization and genomic structure of the KiSS-1 metastasis suppressor gene (KiSS1). *Genomics* 54: 145-148.
4. Yan, C., et al. 2001. KiSS-1 represses 92 kDa type IV collagenase expression by downregulating NF κ B binding to the promoter as a consequence of I κ B α induced block of p65/p50 nuclear translocation. *J. Biol. Chem.* 276: 1164-1172.
5. Muir, A.I., et al. 2001. AXOR12, a novel human G protein-coupled receptor, activated by the peptide KiSS-1. *J. Biol. Chem.* 276: 28969-28975.
6. Kotani, M., et al. 2001. The metastasis suppressor gene KiSS-1 encodes kisspeptins, the natural ligands of the orphan G protein-coupled receptor GPR54. *J. Biol. Chem.* 276: 34631-34636.
7. Online Mendelian Inheritance in Man, OMIM™. 2001. Johns Hopkins University, Baltimore, MD. MIM Number: 603286. World Wide Web URL: <http://www.ncbi.nlm.nih.gov/omim/>

CHROMOSOMAL LOCATION

Genetic locus: KiSS1 (human) mapping to 1q32.1.

SOURCE

KiSS-1 (24-Q) is a mouse monoclonal antibody raised against recombinant KiSS-1 of human origin.

PRODUCT

Each vial contains 100 μ g IgG_{2a} in 1 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

KiSS-1 (24-Q) is recommended for detection of KiSS-1 of human origin by immunofluorescence, immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for KiSS-1 siRNA (h): sc-37443.

Molecular Weight of KiSS-1: 15 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 2) Immunohistochemistry: use ImmunoCruz™: sc-2050 or ABC: sc-2017 mouse IgG Staining Systems.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

SANTA CRUZ BIOTECHNOLOGY, INC.

MEL-1B-R (H-18): sc-13174



The Power to Discover

BACKGROUND

The melatonin receptors, MEL-1A-R and MEL-1B-R, are members of the superfamily of guanine nucleotide-binding regulatory protein G protein-coupled receptors. The melatonin receptors are activated by the hormone melatonin (Mel), which is secreted by the pineal gland at night as part of the circadian clock. MEL-1A-R is thought to be involved in pacing the biological clock. Both MEL-1A-R and MEL-1B-R are implicated in controlling cellular growth in response to melatonin. MEL-1B-R is an integral membrane protein expressed in retina and, to a lesser extent, in brain and hippocampus. Functional studies of NIH/3T3 cells stably expressing the MEL-1B-R melatonin receptor indicate that it is coupled to inhibition of adenylyl cyclase.

REFERENCES

1. Reppert, S.M., et al. 1995. Molecular characterization of a second melatonin receptor expressed in human retina and brain: the Mel1 β melatonin receptor. *Proc. Natl. Acad. Sci. USA* 92: 8734-8738.
2. Reppert, S.M., et al. 1996. Cloning of a melatonin-related receptor from human pituitary. *FEBS Lett.* 386: 219-224.
3. Brzezinski, A. 1997. Melatonin in humans. *N. Engl. J. Med.* 336: 186-195.
4. Niles, L.P., et al. 1999. Melatonin receptor mRNA expression in human granulosa cells. *Mol. Cell. Endocrinol.* 156: 107-110.
5. Ebisawa, T., et al. 2000. Genetic polymorphisms of human melatonin 1 β receptor gene in circadian rhythm sleep disorders and controls. *Neurosci. Lett.* 280: 29-32.

CHROMOSOMAL LOCATION

Genetic locus: MTNR1B (human) mapping to 11q14.3.

SOURCE

MEL-1B-R (H-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of MEL-1B-R of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-13174 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

APPLICATIONS

MEL-1B-R (H-18) is recommended for detection of MEL-1B-R of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for MEL-1B-R siRNA (h): sc-40114, MEL-1B-R shRNA Plasmid (h): sc-40114-SH and MEL-1B-R shRNA (h) Lentiviral Particles: sc-40114-V.

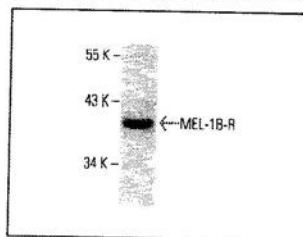
Molecular Weight of MEL-1B-R: 36 kDa.

Positive Controls: COLO 205 whole cell lysate: sc-364177.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



MEL-1B-R (H-18): sc-13174. Western blot analysis of MEL-1B-R expression in COLO 205 whole cell lysate.

SELECT PRODUCT CITATIONS

1. Lanox, D., et al. 2008. Human placental trophoblasts synthesize melatonin and express its receptors. *J. Pineal Res.* 45: 50-60.
2. Tam, C.W., et al. 2008. Melatonin as a negative mitogenic hormonal regulator of human prostate epithelial cell growth: potential mechanisms and clinical significance. *J. Pineal Res.* 45: 403-412.
3. Shiu, S.Y., et al. 2010. Signal transduction of receptor-mediated antiproliferative action of melatonin on human prostate epithelial cells involves dual activation of G_{αs} and G_{αq} proteins. *J. Pineal Res.* 49: 301-311.

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- anti-Growth Differentiation Factor 9 (GDF9) antibody

Growth Differentiation Factor 9 (GDF9) antibody

Details for Product No. ABIN734543



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Antigen

Growth Differentiation Factor 9 (GDF9)

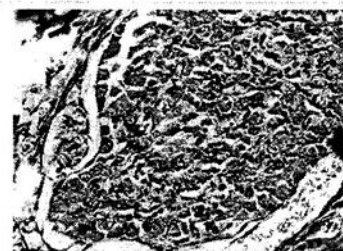
Synonyms

Gdf-9, GDF-9, zgc:123030

Reactivity

Human, Mouse (Murine), Rat (Rattus), Chicken, Dog (Canine), Pig (Porcine), Cow (Bovine)

[Alternatives](#)



Host Rabbit [Alternatives](#)

Clonality Polyclonal

Conjugate Un-conjugated [Alternatives](#)

Application Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence IHC-P (IF (IHC-P)) [Alternatives](#)

Catalog no. **ABIN734543**

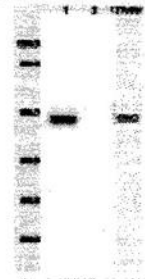
Quantity **100 µL**

Price

Options Bulk discount

Shipping to Bulgaria (Change)

Availability Will be delivered in 5 to 8 Business Days



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Product details

[Application Details](#) [Handling](#) [Images](#) [Alternatives](#) [back to top](#) [Target details](#)

Product details

| | |
|------------------|--|
| Immunogen | KLH conjugated synthetic peptide derived from human GDF-9 |
| Isotype | IgG |
| Cross-Reactivity | Rat (Rattus), Chicken, Dog (Canine), Pig (Porcine), Cow (Bovine) |
| Purification | purified by Protein A and peptide affinity chromatography |

Target

details

[Application Details](#)
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| | |
|------------------|---|
| Alternative Name | GDF9 |
| Background | GDF 9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF 9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis. |
| Molecular Weight | 50kDa |
| Gene ID | 2661 |

Application

Details

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| | |
|-------------------|---|
| Application Notes | WB (1:100-500), ELISA (1:500-1000), IHC-P (1:100-500), IF (IHC-P) (1:100-500) |
| Restrictions | For Research Use only |

Handling

| | |
|-------------------|--|
| Format | Liquid |
| Concentration | 1 µg/µL |
| Buffer | Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide. |
| Preservative | Sodium azide |
| Precaution of Use | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage | -20 °C |
| Storage Comment | Store at -20 °C for 12 months |
| Expiry Date | 12 months |

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Rabbit-To-Rabbit Blocking Reagent


Product Description: ScyTek's Rabbit-to-Rabbit reagent has been formulated to provide the researcher with a staining system capable of visualizing Rabbit antibodies on Rabbit tissue. In most cases a 30-minute incubation with Rabbit-to-Rabbit block will virtually eliminate background staining that is caused by endogenous immunoglobulins. We highly recommend that this reagent be used in conjunction with ScyTek's UltraTek Anti-Rabbit staining system for optimal results.

Species of Origin: Goat
Antigen Specificity: Anti-Rabbit
Enzyme Conjugate: None
Chromogen Substrate: None

Procedure:

1. Deparaffinize and rehydrate tissue section.
2. If required to reduce nonspecific background staining due to endogenous peroxidase, incubate slide in hydrogen peroxide for 10-15 minutes.
3. Wash 2 times in buffer.
4. If required, incubate tissue in digestive enzyme.
5. Wash 4 times in buffer.
6. Apply Super Block (ScyTek catalog# AAA), and incubate for 5 minutes at room temperature to block nonspecific background staining. Note: Do not exceed 10 minutes or there may be a reduction in desired stain.
7. Wash 1 time in buffer.
8. Apply Rabbit-To-Rabbit Block and incubate 10-60 minutes. Incubation time is dependent on the amount of endogenous Ig found in the tissue type.
9. Rinse 4 times in buffer.
10. Apply primary antibody and incubate according to manufacturer's protocol.
12. Wash 4 times in buffer.
13. Apply UltraTek Anti-Polyvalent (ScyTek catalog# ABN), and incubate for 10-20 minutes at room temperature.
14. Wash 4 times in buffer.

Storage: 2°C  8°C

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15. Apply UltraTek HRP (ScyTek catalog# ABL) or UltraTek Alk-Phos (ScyTek catalog# ABM), and incubate for 10-20 minutes at room temperature.
16. Rinse 4 times in buffer.
17. Apply appropriate chromogen.
18. Counterstain and coverslip.

Troubleshooting Guide

Overstaining:


1. Concentration of the primary antibody was too high or the incubation time was too long.
2. Temperature during incubation was too high.
3. Incubation time with UltraTek Anti-Polyvalent, UltraTek HRP, or UltraTek Alk-Phos was too long.


Nonspecific Background Staining:

1. Rinsing between steps was inadequate.
2. Tissue was allowed to dry with reagents on.
3. Folds in tissue trapped reagents.
4. Inadequate blocking with Rabbit-To-Rabbit Block.
5. Tissue contains endogenous biotin.
6. Antigen migrated in tissue.
7. Excessive tissue adhesive on slides.
8. Inadequate blocking with Super block.

Weak Staining:

1. Primary antibody concentration was too low or incubation time was too short.
2. Reagents are past their expiration date.

Storage: 2°C 

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ScyTek Laboratories

Instructions For Use RTR-IFU

Rev. Date: Aug. 8, 2007

Revision: 1


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3. Inadequate removal of wash water between steps, resulting in dilution of reagents.
4. Counterstain or mounting media were incompatible and dissolved the chromogen reaction product.
5. Room temperature was excessively cool.
6. The primary antibody does not recognize an antigen that survives fixation and embedding.
7. Excessive incubation with Super Block.

No Staining:

1. Steps were inadvertently left out.
2. There is no antigen in the tissue.
3. The primary antibody is not of the correct species of origin.
4. Chromogenic substrate is not intended for use with enzyme used for procedure (peroxidase or alkaline-phosphatase).
5. One or more components of the kit have been inactivated by heat or other adverse condition.

Storage: 2°C  8°C

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Bone Morphogenetic Protein 15 (BMP15) antibody

Details for Product No. ABIN718841



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| | | |
|--------------|---|--------------|
| Antigen | Bone Morphogenetic Protein 15 (BMP15) | |
| Synonyms | ODG2, POF4, GDF9B, Bmp-15, C86824, C87336, GDF-9B, AU015375, AU018861, AU021453, Gdf-9b, bmp-15, BMP-15, fi35a05, wu:fi35a05, BMP15 | |
| Reactivity | Human, Mouse (Murine), Rat (Rattus), Chicken, Pig (Porcine), Cow (Bovine) | Alternatives |
| Host | Rabbit | Alternatives |
| Clonality | Polyclonal | |
| Conjugate | Un-conjugated | Alternatives |
| Application | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence IHC-P (IF (IHC-P)) | Alternatives |
| Catalog no. | ABIN718841 | |
| Quantity | 100 µL | |
| Price | | |
| Options | Bulk discount | |
| Shipping to | Bulgaria (Change) | |
| Availability | Will be delivered in 5 to 8 Business Days | |

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Product details

| | | |
|-------------------------------------|--------------------------|--------------------------------|
| Application Details | Handling | Alternatives |
| back to top | | Target details |

Product details

| | |
|------------------|---|
| Immunogen | KLH conjugated synthetic peptide derived from human BMP15 |
| Isotype | IgG |
| Cross-Reactivity | Rat (Rattus), Chicken, Pig (Porcine), Cow (Bovine) |
| Purification | purified by Protein A and peptide affinity chromatography |

Target details

| | | |
|-------------------------------------|--------------------------|------------------------------|
| Application Details | Handling | Alternatives |
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Target details

| | |
|------------------|---|
| Alternative Name | BMP15 |
| Background | The BMP15 protein is a member of the bone morphogenetic protein family which is part of the transforming growth factor beta superfamily. The transforming growth factor beta superfamily includes large families of growth and differentiation factors. It is thought that BMP15 may be involved in oocyte maturation and follicular development as a homodimer, or by forming heterodimers with a related protein, Gdf9. |
| Molecular Weight | 45kDa |
| Gene ID | 9210 |

Application Details

| | | |
|--------------------------------|--------------------------|------------------------------|
| Target details | Handling | Alternatives |
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Application Details

| | |
|-------------------|---|
| Application Notes | WB (1:100-500), ELISA (1:500-1000), IHC-P (1:100-500), IF (IHC-P) (1:100-500) |
| Restrictions | For Research Use only |

Handling

| | Target details | Application Details | Alternatives |
|-------------------|--|---------------------|-----------------------------|
| | | | back to top |
| Format | Liquid | | |
| Concentration | 1 µg/µL | | |
| Buffer | Aqueous buffered solution containing 100 µg/mL BSA, 50 % glycerol and 0.09 % sodium azide. | | |
| Preservative | Sodium azide | | |
| Precaution of Use | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. | | |
| Storage | -20 °C | | |
| Storage Comment | Store at -20 °C for 12 months | | |
| Expiry Date | 12 months | | |

Handling

Alternatives

| | Target details | Application Details | Handling |
|--------------|--|---------------------|-----------------------------|
| | | | back to top |
| Hosts | <u>Rabbit</u> (45), <u>Mouse</u> (2), <u>Sheep</u> (1) | | |
| Reactivities | <u>Human</u> (45), <u>Mouse (Murine)</u> (20), <u>Rat (Rattus)</u> (12), <u>Chicken</u> (11), <u>Cow (Bovine)</u> (11), <u>Pig (Porcine)</u> (11), <u>Cat (Feline)</u> (1) | | |
| Applications | <u>Western Blotting (WB)</u> (28), <u>ELISA</u> (23), <u>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))</u> (12), <u>Immunofluorescence IHC-P (IF (IHC-P))</u> (9), <u>Immunohistochemistry (IHC)</u> (7), <u>Immunocytochemistry (ICC)</u> (5), <u>Immunohistochemistry (Frozen Sections) (IHC (fro))</u> (4), <u>Immunoassay (IA)</u> (1), <u>Immunofluorescence (IF)</u> (1) | | |
| Conjugates | <u>Alexa Fluor 350</u> (1), <u>Alexa Fluor 488</u> (1), <u>Alexa Fluor 555</u> (1), <u>Alexa Fluor 647</u> (1), <u>Biotin</u> (1), <u>Cy3</u> (1), <u>Cy5</u> (1), <u>Cy5.5</u> (1), <u>Cy7</u> (1), <u>FITC</u> (1), <u>HRP</u> (1) | | |
| Epitopes | <u>N-Term</u> (20), <u>AA 241-271</u> (2), <u>AA 4-33</u> (2), <u>AA 19-33</u> (1), <u>AA 266-388</u> (1), <u>AA 268-392</u> (1), <u>AA 269-391</u> (1), <u>AA 274-390</u> (1), <u>Center</u> (1), <u>Internal Region</u> (1), <u>Middle Region</u> (1) | | |

Alternatives



Want additional data for this product?

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Rabbit-To-Rabbit Blocking Reagent


Product Description: ScyTek's Rabbit-to-Rabbit reagent has been formulated to provide the researcher with a staining system capable of visualizing Rabbit antibodies on Rabbit tissue. In most cases a 30-minute incubation with Rabbit-to-Rabbit block will virtually eliminate background staining that is caused by endogenous immunoglobulins. We highly recommend that this reagent be used in conjunction with ScyTek's UltraTek Anti-Rabbit staining system for optimal results.

Species of Origin: Goat
Antigen Specificity: Anti-Rabbit
Enzyme Conjugate: None
Chromogen Substrate: None

Procedure:

1. Deparaffinize and rehydrate tissue section.
2. If required to reduce nonspecific background staining due to endogenous peroxidase, incubate slide in hydrogen peroxide for 10-15 minutes.
3. Wash 2 times in buffer.
4. If required, incubate tissue in digestive enzyme.
5. Wash 4 times in buffer.
6. Apply Super Block (ScyTek catalog# AAA), and incubate for 5 minutes at room temperature to block nonspecific background staining. **Note:** Do not exceed 10 minutes or there may be a reduction in desired stain.
7. Wash 1 time in buffer.
8. Apply Rabbit-To-Rabbit Block and incubate 10-60 minutes. Incubation time is dependent on the amount of endogenous Ig found in the tissue type.
9. Rinse 4 times in buffer.
10. Apply primary antibody and incubate according to manufacturer's protocol.
12. Wash 4 times in buffer.
13. Apply UltraTek Anti-Polyvalent (ScyTek catalog# ABN), and incubate for 10-20 minutes at room temperature.
14. Wash 4 times in buffer.

Storage: 2°C  8°C

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15. Apply UltraTek HRP (ScyTek catalog# ABL) or UltraTek Alk-Phos (ScyTek catalog# ABM), and incubate for 10-20 minutes at room temperature.
16. Rinse 4 times in buffer.
17. Apply appropriate chromogen.
18. Counterstain and coverslip.

Troubleshooting Guide

Overstaining:


1. Concentration of the primary antibody was too high or the incubation time was too long.
2. Temperature during incubation was too high.
3. Incubation time with UltraTek Anti-Polyvalent, UltraTek HRP, or UltraTek Alk-Phos was too long.

Nonspecific Background Staining:

1. Rinsing between steps was inadequate.
2. Tissue was allowed to dry with reagents on.
3. Folds in tissue trapped reagents.
4. Inadequate blocking with Rabbit-To-Rabbit Block.
5. Tissue contains endogenous biotin.
6. Antigen migrated in tissue.
7. Excessive tissue adhesive on slides.
8. Inadequate blocking with Super block.

Weak Staining:

1. Primary antibody concentration was too low or incubation time was too short.
2. Reagents are past their expiration date.

Storage: 2°C  8°C



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Instructions For Use RTR-IFU

Rev. Date: Aug. 8, 2007

Revision: 1


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3. Inadequate removal of wash water between steps, resulting in dilution of reagents.
4. Counterstain or mounting media were incompatible and dissolved the chromogen reaction product.
5. Room temperature was excessively cool.
6. The primary antibody does not recognize an antigen that survives fixation and embedding.
7. Excessive incubation with Super Block

No Staining:

1. Steps were inadvertently left out.
2. There is no antigen in the tissue.
3. The primary antibody is not of the correct species of origin.
4. Chromogenic substrate is not intended for use with enzyme used for procedure (peroxidase or alkaline-phosphatase).
5. One or more components of the kit have been inactivated by heat or other adverse condition.

Storage: 2°C  8°C

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SANTA CRUZ BIOTECHNOLOGY, INC.

Ki-67 (M-19): sc-7846



BACKGROUND

Ki-67 is a nuclear protein that is expressed in proliferating cells and may be required for maintaining cell proliferation. Ki-67 has been used as a marker for cell proliferation of solid tumors and some hematological malignancies. A correlation has been demonstrated between Ki-67 index and the histopathological grade of neoplasms. Assessment of Ki-67 expression in renal and ureter tumors shows a correlation between tumor proliferation and disease progression, thus making it possible to differentiate high-risk patients. Ki-67 expression may also prove to be important for distinguishing between malignant and benign peripheral nerve sheath tumors.

CHROMOSOMAL LOCATION

Genetic locus: Mki67 (mouse) mapping to 7 F3.

SOURCE

Ki-67 (M-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Ki-67 of mouse origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-7846 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as phycoerythrin (sc-7846 PE), PerCP (sc-7846 PerCP) or PerCP-Cy5.5 (sc-7846 PCPC5) conjugates for flow cytometry, 100 tests; as fluorescein (sc-7846 FITC) or rhodamine (sc-7846 TRITC) conjugates for immunofluorescence, 200 µg/ml; as Alexa Fluor® 405 (sc-7846 AF405), Alexa Fluor® 488 (sc-7846 AF488) or Alexa Fluor® 647 (sc-7846 AF647) conjugates for immunofluorescence; 100 µg/2 ml.

Alexa Fluor® is a trademark of Molecular Probes, Inc., Oregon, USA

APPLICATIONS

Ki-67 (M-19) is recommended for detection of Ki-67 of mouse, rat and, to a lesser extent, human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), flow cytometry (1 µg per 1 x 10⁶ cells) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Ki-67 siRNA (h): sc-37613, Ki-67 siRNA (m): sc-37614, Ki-67 shRNA Plasmid (h): sc-37613-SH, Ki-67 shRNA Plasmid (m): sc-37614-SH, Ki-67 shRNA (h) Lentiviral Particles: sc-37613-V and Ki-67 shRNA (m) Lentiviral Particles: sc-37614-V.

Molecular Weight of Ki-67 isoforms: 395/345 kDa.

Positive Controls: MCF7 nuclear extract: sc-2149, Raji whole cell lysate or K-562 whole cell lysate: sc-2203.

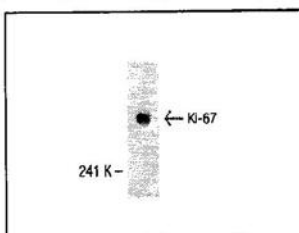
RESEARCH USE

For research use only, not for use in diagnostic procedures.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

DATA



Ki-67 (M-19): sc-7846. Western blot analysis of Ki-67 expression in Raji whole cell lysate.

SELECT PRODUCT CITATIONS

1. Weihua, Z., et al. 2000. Estrogen receptor (ER) β , a modulator of ER α in the uterus. *Proc. Natl. Acad. Sci. USA* 97: 5936-5941.
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[Products](#) [Custom](#) [Scientific Support](#) [Events](#) [Poster library](#) [About us](#) [Contact us](#)[Microbiology](#) [Toxin](#) [Fungal Toxins](#)**Anti-Aflatoxin antibody [ATB] (ab1985)**[Submit an Abreview](#) | [Q&A \(1\)](#)**Overview**[Visit the Product Wall for Abreviews and Q&A](#)

| | |
|----------------------------|---|
| Product name | Anti-Aflatoxin antibody [ATB] See all Aflatoxin primary antibodies ... |
| Description | Mouse monoclonal [ATB] to Aflatoxin |
| Specificity | This antibody recognizes free aflatoxins B1 and B2. No cross-reactivity with G1, G2 and M1. |
| Tested applications | ELISA more details |
| Species reactivity | Aspergillus flavus. |
| Immunogen | Aflatoxin |
| General notes | Concentration varies from lot to lot and can be provided on request. |

Aflatoxin is a naturally occurring mycotoxin produced by two types of mold: *Aspergillus flavus* and *Aspergillus parasiticus*. *Aspergillus flavus* is common and widespread in nature and is most often found when certain grains are grown under stressful conditions such as drought. The mold occurs in soil, decaying vegetation, hay, and grains undergoing microbiological deterioration and invades all types of organic substrates whenever and wherever the conditions are favorable for its growth. Favorable conditions include high moisture content and high temperature. At least 13 different types of aflatoxin are produced in nature with aflatoxin B1 considered as the most toxic. While the presence of *Aspergillus flavus* does not always indicate harmful levels of aflatoxin it does mean that the potential for aflatoxin production is present.

Properties

| | |
|-------------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.4 |
| Concentration | 200 µg at 2 mg/ml |
| Purity | Protein G purified |
| Purification notes | Purity is tested by electrophoresis. |
| Primary antibody notes | Aflatoxin is a naturally occurring mycotoxin produced by two types of mold: <i>Aspergillus flavus</i> and <i>Aspergillus parasiticus</i> . <i>Aspergillus flavus</i> is common and widespread in nature and is most often found when certain grains are grown under stressful conditions such as drought. The mold occurs in soil, decaying vegetation, hay, and grains undergoing microbiological deterioration and invades all types of organic substrates whenever and wherever the conditions are favorable for its growth. Favorable conditions include high moisture content and high temperature. At least 13 different types of aflatoxin are produced in nature with aflatoxin B1 considered as the most toxic. While the presence of <i>Aspergillus flavus</i> does not |

Product code ab1985

Size Price

200 µg

IMMUNOPRECIPITATION

Cross-linking antibodies to beads protocol

Protocol

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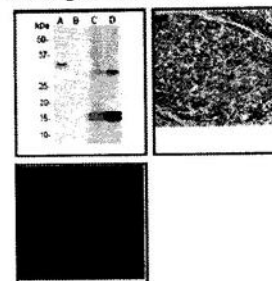
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Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3) antibody

Antigen: Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3)
Synonyms: xcpp32, Lice, CPP32, SCA-1, CPP32B, CC3, CG14902, Cas3, Casp 3, Casp3, Caspase-3, DEWAY, Decay, Dmel\CG14902, Drosophila executioner caspase related to Apopain/Yama, caspase 3, caspase-3, CG7788, DRICE, Dmel\CG7788, DrICE, Drice, Drice, ICE, crice, drICE, drice, drice, ice
Reactivity: Human
Host: Rabbit
Clonality: Monoclonal (Y83-77)
Application: Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (IF), Western Blotting (WB)
Catalog no.: [ABIN189202](#)
Quantity: 0.1 mL
Price:
Availability: Will be delivered in 6 to 9 Business Days (Ships to: European Union)

3 Images available



Product Details

Immunogen: A synthetic peptide corresponding to residues following Ser29 of human Caspase 3 (Nterminus of p17 subunit).
Clone: Y83-77
Isotype: IgG
Specificity: A synthetic peptide corresponding to residues following Ser29 of human caspase-3(N-terminus of p17 subunit) was used as immunogen. This antibody only detects the active form of caspase-3 (p17 subunit). Species Reactivity: Reacts in Human and Mouse. Does not react in Rat. Not tested in other species.
Cross-Reactivity: Human, Mouse (Murine)
Purification: Purified

Target details

Alternative Name: Caspase-3
Background: Caspases are a family of cytosolic aspartate-specific cysteine proteases involved in the initiation and execution of apoptosis. Caspase-3 (apopain, SCA-1, Yama and CPP32) is a member of the apoptosis execution functional group of caspases, and is either partially or totally responsible for the proteolytic cleavage of many key proteins during apoptosis, such as poly (ADP-ribose) polymerase (PARP) (1,2,3). Caspase-3 is a cytosolic protein found in cells as an inactive 35 kDa proenzyme. It is activated by proteolytic cleavage into two active subunits only when cells undergo apoptosis (3).
Gene ID: 836, 25402
UniProt: P42574
Research Area: Apoptosis/Necrosis

Application Details

Application Notes: Suggested working dilutions: immunohistochemistry 1:50, Western Blot 1:500

00P-7-13

Mouse anti-Chicken TUB antibody (ABIN934110)

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Tubulin (TUB) antibody

Details for Product No. ABIN934110



Want additional data for this product?

The Independent Validation Initiative strives to provide you with high quality data. [Find out more](#)

[Request validation](#)

| | | | |
|-------------------|---|--|------------------------------|
| Antigen | <u>Tubulin (TUB)</u> | | |
| Reactivity | | Chicken | Alternatives |
| Host | | Mouse | Alternatives |
| Clonality (Clone) | Monoclonal (<u>655</u>) | | |
| Conjugate | | Un-conjugated | Alternatives |
| Application | | ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Western Blotting (WB) | Alternatives |
| Catalog no. | ABIN934110 | | |
| Quantity | 1 mL | | |
| Price | | | |
| Options | Bulk discount | | |
| Shipping to | <u>Bulgaria (Change)</u> | | |
| Availability | Will be delivered in 10 to 14 Business Days | | |

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Product details

[Target details](#)
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Product details

| | |
|----------------------------|---|
| Immunogen | Tubulin antibody was raised in mouse using Chicken skeletal muscle cell preparation as the immunogen. |
| Clone | 655 |
| Isotype | IgM |
| Specificity | Chicken Tubulin |
| Cross-Reactivity (Details) | To be determined by the end user |

Target details

[Application Details](#)
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Target details

| | |
|------------------|--|
| Alternative Name | Tubulin |
| Background | Tubulin is one of several members of a small family of globular proteins. The most common members of the tubulin family are alpha-tubulin and Beta-tubulin, the proteins that make up microtubules. Each has a molecular weight of approximately 55 kDa. Microtubules are assembled from dimers of alpha- and Beta-tubulin. These subunits are slightly acidic with an isoelectric point between 5.2 and 5.8. Tubulin was long thought to be specific to eukaryotes. Recently, however, the prokaryotic cell division protein FtsZ was shown to be evolutionarily related to tubulin. Synonyms: Monoclonal Tubulin antibody, Anti-Tubulin antibody, beta Tubulin antibody, alpha Tubulin antibody. |
| Research Area | Neurology, Cytoskeleton, Cell/Tissue Markers |

Application Details

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Application Details

Application Notes Optimal conditions to be determined by end user

Restrictions For Research Use only

Handling

| Target details | Application Details | Alternatives |
|----------------|---------------------|-----------------------------|
| | | back to top |

Handling

Format Liquid

Buffer Supplied in liquid form. Dilute immediately before use with PBS or TBS. Contains 0.1% sodium azide.

Storage 4 °C

Alternatives

| Target details | Application Details | Handling |
|----------------|---------------------|-----------------------------|
| | | back to top |

Alternatives

Hosts [Rabbit](#) (19), [Mouse](#) (11), [Chicken](#) (1), [Rat](#) (1)

Reactivities [Human](#) (18), [Chicken](#) (10), [Mouse \(Murine\)](#) (5), [Rat \(Rattus\)](#) (4), [Cow \(Bovine\)](#) (2), [Monkey](#) (2), [Pig \(Porcine\)](#) (2), [Plant](#) (2), [Yeast](#) (2), [All Species](#) (1), [Insect](#) (1), [Mammalian](#) (1), [Xenopus laevis](#) (1)

Applications [Western Blotting \(WB\)](#) (30), [ELISA](#) (18), [Immunohistochemistry \(IHC\)](#) (12), [Immunofluorescence \(IF\)](#) (9), [Immunocytochemistry \(ICC\)](#) (7), [Immunohistochemistry \(Frozen Sections\) \(IHC \(fro\)\)](#) (5), [Immunohistochemistry \(Paraffin-embedded Sections\) \(IHC \(p\)\)](#) (4), [Radioimmunoassay \(RIA\)](#) (3), [Dot Blot \(DB\)](#) (2), [Immunoelectron Microscopy \(IEM\)](#) (1), [Immunoprecipitation \(IP\)](#) (1)

Conjugates [Biotin](#) (2), [FITC](#) (2), [HRP](#) (2)

Epitopes [Chain beta 3](#) (8), [C-Term](#) (3), [acetylated](#) (2), [acLys40](#) (1), [detyrosinated](#) (1), [polyglutamylated](#) (1)



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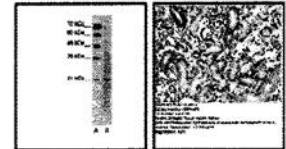
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Mucin 1, Cell Surface Associated (MUC1) (C-Term) antibody

| | |
|---------------|--|
| Antigen: | Mucin 1, Cell Surface Associated (MUC1) |
| Synonyms: | CA 15-3, CD227, EMA, H23AG, KL-6, MAM6, MCKD1, MUC-1, MUC-1/SEC, MUC-1/X, MUC1/ZD, PEM, PEMT, PUM, Muc-1, MUC1 |
| Epitope: | C-Term |
| Reactivity: | Rabbit, Mouse (Murine), Dog (Canine), Rat (Rattus), Pig (Porcine), Cow (Bovine), Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Application: | Immunohistochemistry (IHC), Western Blotting (WB) |
| Catalog no.: | <u>ABIN310153</u> |
| Quantity: | 50 µg |
| Price: | |
| Availability: | Will be delivered in 6 to 9 Business Days (Ships to: European Union) |

2 Images available



Product Details

| | |
|-----------------------|--|
| Immunogen: | Synthetic peptide directed towards the C terminal of human MUC1 |
| Sequence: | GQLDIFPARDTYHPMSEYPTYHTHGRYVPPSSTDRSPYEK VSAGNGGSSL |
| Predicted Reactivity: | Guinea pig : 100 %, Horse : 100 %, Human : 100 %, Mouse : 100 %, Pig : 100 %, Rabbit : 100 %, Rat : 100 %, Bovine : 90 % |
| Characteristics: | This is a rabbit polyclonal antibody against MUC1. It was validated on Western Blot and immunohistochemistry. |
| Purification: | Affinity Purified |

Target details

| | |
|-------------------|--|
| Alternative Name: | MUC1 |
| Background: | MUC1 is a membrane bound, glycosylated phosphoprotein. The protein is anchored to the apical surface of many epithelia by a transmembrane domain, with the degree of glycosylation varying with cell type. It also includes a 20 aa variable number tandem repeat (VNTR) domain, with the number of repeats varying from 20 to 120 in different individuals. The protein serves a protective function by binding to pathogens and also functions in a cell signaling capacity. Overexpression, aberrant intracellular localization, and changes in glycosylation of this protein have been associated with carcinomas. |
| Molecular Weight: | 22 kDa |
| Gene ID: | 4582 |
| NCBI Accession: | NM_001044390, NP_001037855 |
| UniProt: | Q7Z552 |
| Research Area: | Cancer, Extracellular Matrix |

Application Details

| | |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 203 AA |

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Bestrophin 1 (BEST1) antibody

Antigen: Bestrophin 1 (BEST1)

Synonyms: ARB, BEST, BMD, RP50, TU15B, VMD2, Bmd, Vmd2, mBest1, CG6264, Dbest, Dmel\CG6264, anon-WO0118547.380, best, dBest1, dbest1, dmBest1, BEST1, best-1

Reactivity: Human

Host: Mouse

Clonality: Monoclonal (E6-6)

Application: Immunofluorescence (IF), Western Blotting (WB)

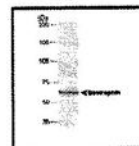
Catalog no.: [ABIN152509](#)

Quantity: 0.1 mL

Price:

Availability: Will be delivered in 6 to 9 Business Days (Ships to: European Union)

1 Image available



Product Details

Immunogen: Synthetic peptide conjugated to KLH [KDHMDPYWALENRDEAHS].

Clone: E6-6

Isotype: IgG1

Specificity: Species Reactivity: ABIN152509 recognizes human, porcine, and monkey. This antibody does not work in rat. Other species have not been tested. Theoretical Molecular Weight: 68 kDa.

Cross-Reactivity: Human, Monkey, Pig (Porcine)

Purification: Ascites

Target details

Alternative Name: Bestrophin-1

Background: Best macular dystrophy (BMD) or vitelliform macular dystrophy (VMD2), is an autosomal form of macular degeneration, characterized by a depressed light peak in the electrooculogram (EOG). It is inherited and has an early onset. Bestrophin is a 68 kDa basal lateral plasma membrane protein encoded by the VMD2 gene. Bestrophin's function is still unknown, but data suggests that it is a chloride channel that plays a role in generating the altered EOG in Best disease patients. In addition, Bestrophin is a useful biochemical and histological marker of RPE (retinal pigment epithelial cells).

Gene ID: 7439, 293735

UniProt: O76090

Application Details

Application Notes: Western Blot 1:1,000. Positive Controls: Pig RPE (Retinal Pigment Epithelium) whole cell extract

Restrictions: For Research Use only

Handling

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SANTA CRUZ BIOTECHNOLOGY, INC.

β -catenin (H-102): sc-7199



The Power to Discover

BACKGROUND

The catenins, α , β and γ , are proteins which bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. α -catenin was initially described as an E-cadherin associated protein, and since has been shown to associate with other members of the cadherin family, such as N-cadherin and P-cadherin. β -catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. β -catenin has also been found in complexes with the tumor suppressor protein APC. γ -catenin, also known as plakoglobin, binds with α -catenin and N-cadherin. It has been shown that the transmembrane phosphatase PTP μ associates with catenin/cadherin complexes and may regulate complex signaling.

CHROMOSOMAL LOCATION

Genetic locus: CTNBN1 (human) mapping to 3p22.1; Ctnnb1 (mouse) mapping to 9 F4.

SOURCE

β -catenin (H-102) is a rabbit polyclonal antibody raised against amino acids 680-781 mapping at the C-terminus of β -catenin of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

β -catenin (H-102) is recommended for detection of β -catenin of mouse, rat, human, *Xenopus laevis* and zebrafish origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

β -catenin (H-102) is also recommended for detection of β -catenin in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for β -catenin siRNA (h): sc-29209, β -catenin siRNA (m): sc-29210, β -catenin shRNA Plasmid (h): sc-29209-SH, β -catenin shRNA Plasmid (m): sc-29210-SH, β -catenin shRNA (h) Lentiviral Particles: sc-29209-V and β -catenin shRNA (m) Lentiviral Particles: sc-29210-V.

Molecular Weight of β -catenin: 92 kDa.

Positive Controls: SK-BR-3 cell lysate: sc-2218, HeLa whole cell lysate: sc-2200 or A-431 whole cell lysate: sc-2201.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

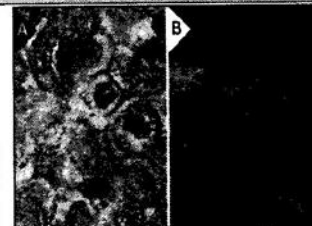
RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA



Western blot analysis of β -catenin phosphorylation in untreated (A, D), calyculin A treated (B, E) and calyculin A and lambda protein phosphatase treated (C, F) SH-SY5Y whole cell lysates. Antibodies tested include p- β -catenin (Ser 33)-R: sc-16743-R (A, B, C) and β -catenin (H-102): sc-7199 (D, E, F).



β -catenin (H-102): sc-7199. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human breast tumor (A). Immunofluorescence staining of formalin-fixed Hep G2 cells showing membrane localization. (B).

SELECT PRODUCT CITATIONS

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- Daniilovitch-Miagkova, A., et al. 2001. Oncogenic mutants of RON and MET receptor tyrosine kinases cause activation of the β -catenin pathway. *Mol. Cell. Biol.* 21: 5857-5868.
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- Bongiovanni, L., et al. 2011. β -catenin in canine skin: immunohistochemical pattern of expression in normal skin and cutaneous epithelial tumours. *J. Comp. Pathol.* 145: 138-147.
- Murakami, H., et al. 2011. LATS2 is a tumor suppressor gene of malignant mesothelioma. *Cancer Res.* 71: 873-883.
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- Dao, K.H., et al. 2012. FANCL ubiquitinates β -catenin and enhances its nuclear function. *Blood* 120: 323-334.
- Sarkar, D., et al. 2012. BRACHYURY confers cancer stem cell characteristics on colorectal cancer cells. *Int. J. Cancer* 130: 328-337.
- Ochoa-Hernández, A.B., et al. 2012. Peripheral T-lymphocytes express WNT7A and its restoration in leukemia-derived lymphoblasts inhibits cell proliferation. *BMC Cancer* 12: 60.
- Olivier-Van Stichelen, S., et al. 2012. Serum-stimulated cell cycle entry promotes ncOGT synthesis required for cyclin D expression. *Oncogenesis* 12: 1-6.

SANTA CRUZ BIOTECHNOLOGY, INC.

p-ERK 1/2 (Thr 202/Tyr 204): sc-16982



The Power to Question

077-7-17
077-7-18

BACKGROUND

The activation of signal transduction pathways by growth factors, hormones and neurotransmitters is mediated through two closely related MAP kinases, p44 and p42, designated extracellular-signal related kinase 1 (ERK 1) and ERK 2, respectively. ERK proteins are regulated by dual phosphorylation at Tyrosine 204 and 187 and Threonine 177 and 160 residues mapping within a characteristic Thr-Glu-Tyr motif. Phosphorylation at both the Threonine 202 and Tyrosine 204 residues of ERK1 and Threonine 185 and Tyrosine 187 residues of ERK2 is required for full enzymatic activation. The structural consequences of dual-phosphorylation in the ERK2 include active site closure, alignment of key catalytic residues that interact with ATP, and remodeling of the activation loop. In response to activation, MAP kinases phosphorylate downstream components on serine and threonine. Upstream MAP kinase regulators include MAP kinase kinase (MEK), MEK kinase and Raf-1. The ERK family has three additional members: ERK 3, ERK 5 and ERK 6.

CHROMOSOMAL LOCATION

Genetic locus: MAPK3 (human) mapping to 16p11.2, MAPK1 (human) mapping to 22q11.21; Mapk3 (mouse) mapping to 7 F3, Mapk1 (mouse) mapping to 16 A3.

SOURCE

p-ERK 1/2 (Thr 202/Tyr 204) is available as either goat (sc-16982) or rabbit (sc-16982-R) polyclonal affinity purified antibody raised against a short amino acid sequence containing dually phosphorylated Thr 202 and Tyr 204 ERK 1 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies (sc-16982 P) 100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

p-ERK 1/2 (Thr 202/Tyr 204) is recommended for detection of Thr 202 and Tyr 204 phosphorylated ERK 1 and Thr 185 and Tyr 187 phosphorylated ERK 2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of p-ERK 1: 44 kDa.

Molecular Weight of p-ERK 2: 42 kDa.

Positive Controls: HeLa + UV cell lysate: sc-2221, HeLa + TNF α cell lysate: sc-2228 or NIH/3T3 whole cell lysate: sc-2210.

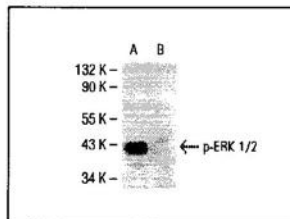
STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

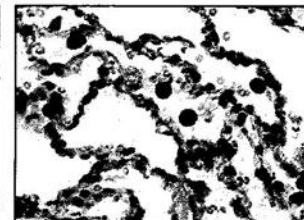
RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA



p-ERK 1/2 (Thr 202/Tyr 204)-R: sc-16982-R. Western blot analysis of ERK 1/2 phosphorylation in untreated (A) and lambda protein phosphatase treated (B) HeLa whole cell lysates.



p-ERK 1/2 (Thr 202/Tyr 204)-R: sc-16982-R. Immunoperoxidase staining of formalin fixed, paraffin-embedded human lung tissue showing cytoplasmic staining of macrophages.

SELECT PRODUCT CITATIONS

- Xia, W., et al. 2002. Anti-tumor activity of GW572016: a dual tyrosine kinase inhibitor blocks EGF activation of EGFR/Erb B-2 and downstream ERK 1/2 and AKT pathways. *Oncogene* 21: 6255-6263.
- Liu, W.F., et al. 2011. Role of tetraspanin CD151- α 3/ α 6 integrin complex: Implication in angiogenesis CD151-integrin complex in angiogenesis. *Int. J. Biochem. Cell Biol.* 43: 642-650.
- Bhatt, K.H., et al. 2011. Role of mitogen-activated protein kinases in peptidoglycan-induced expression of inducible nitric oxide synthase and nitric oxide in mouse peritoneal macrophages: extracellular signal-related kinase, a negative regulator. *Clin. Vaccine Immunol.* 18: 994-1001.
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- Vergara, D., et al. 2011. Resveratrol inhibits the epidermal growth factor-induced epithelial mesenchymal transition in MCF-7 cells. *Cancer Lett.* 310: 1-8.
- Ying, T.H., et al. 2011. Fisetin induces apoptosis in human cervical cancer HeLa cells through ERK1/2-mediated activation of caspase-8/caspase-3-dependent pathway. *Arch. Toxicol.* 86: 263-273.
- Pères, E.A., et al. 2011. Targeting the erythropoietin receptor on glioma cells reduces tumour growth. *Exp. Cell Res.* 317: 2321-2332.

SANTA CRUZ BIOTECHNOLOGY, INC.

MEL-1B-R (H-18): sc-13174



The Power to Question

BACKGROUND

The melatonin receptors, MEL-1A-R and MEL-1B-R, are members of the superfamily of guanine nucleotide-binding regulatory protein G protein-coupled receptors. The melatonin receptors are activated by the hormone melatonin (Mel), which is secreted by the pineal gland at night as part of the circadian clock. MEL-1A-R is thought to be involved in pacing the biological clock. Both MEL-1A-R and MEL-1B-R are implicated in controlling cellular growth in response to melatonin. MEL-1B-R is an integral membrane protein expressed in retina and, to a lesser extent, in brain and hippocampus. Functional studies of NIH/3T3 cells stably expressing the MEL-1B-R melatonin receptor indicate that it is coupled to inhibition of adenylyl cyclase.

REFERENCES

1. Reppert, S.M., et al. 1995. Molecular characterization of a second melatonin receptor expressed in human retina and brain: the Mel1 β melatonin receptor. *Proc. Natl. Acad. Sci. USA* 92: 8734-8738.
2. Reppert, S.M., et al. 1996. Cloning of a melatonin-related receptor from human pituitary. *FEBS Lett.* 386: 219-224.
3. Brzezinski, A. 1997. Melatonin in humans. *N. Engl. J. Med.* 336: 186-195.
4. Niles, L.P., et al. 1999. Melatonin receptor mRNA expression in human granulosa cells. *Mol. Cell. Endocrinol.* 156: 107-110.
5. Ebisawa, T., et al. 2000. Genetic polymorphisms of human melatonin 1 β receptor gene in circadian rhythm sleep disorders and controls. *Neurosci. Lett.* 280: 29-32.

CHROMOSOMAL LOCATION

Genetic locus: MTNR1B (human) mapping to 11q14.3.

SOURCE

MEL-1B-R (H-18) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of MEL-1B-R of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, [sc-13174 P](#) (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

APPLICATIONS

MEL-1B-R (H-18) is recommended for detection of MEL-1B-R of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation (1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for MEL-1B-R siRNA (h): sc-40114, MEL-1B-R shRNA Plasmid (h): sc-40114-SH and MEL-1B-R shRNA (h) Lentiviral Particles: sc-40114-V.

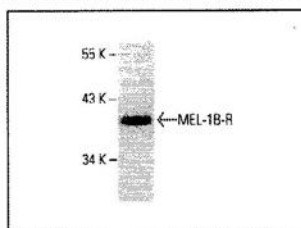
Molecular Weight of MEL-1B-R: 36 kDa.

Positive Controls: COLO 205 whole cell lysate: sc-364177.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotting A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



MEL-1B-R (H-18): sc-13174. Western blot analysis of MEL-1B-R expression in COLO 205 whole cell lysate.

SELECT PRODUCT CITATIONS

1. Lanoix, D., et al. 2008. Human placental trophoblasts synthesize melatonin and express its receptors. *J. Pineal Res.* 45: 50-60.
2. Tam, C.W., et al. 2008. Melatonin as a negative mitogenic hormonal regulator of human prostate epithelial cell growth: potential mechanisms and clinical significance. *J. Pineal Res.* 45: 403-412.
3. Shiu, S.Y., et al. 2010. Signal transduction of receptor-mediated antiproliferative action of melatonin on human prostate epithelial cells involves dual activation of G $_{\alpha s}$ and G $_{\alpha q}$ proteins. *J. Pineal Res.* 49: 301-311.

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Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3) (C-Term) antibody

Antigen: Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3)
Synonyms: xcpp32, Lice, CPP32, SCA-1, CPP32B, CC3, CG14902, Cas3, Casp 3, Casp3, Caspase-3, DECAF, Decay, Dmel\CG14902, Drosophila executioner caspase related to Apopain/Yama, caspase 3, caspase-3, CG7788, DRICE, Dmel\CG7788, DrICE, Drice, Drice, ICE, crice, drICE, drice, drice, ice
Epitope: C-Term
Reactivity: Human
Host: Rabbit
Clonality: Polyclonal
Application: ELISA, Immunohistochemistry (IHC), Western Blotting (WB)
Catalog no.: ABIN346985
Quantity: 200 µL
Price:
Availability: Will be delivered in 2 to 4 Business Days (Ships to: European Union)

Product Details

Immunogen: Synthetic peptide derived from C-terminal domain of human cysteine protease CPP32 (Caspase-3)
Isotype: IgG
Specificity: Reacts with human 32 kDa Caspase-3 in cell extracts.
Cross-Reactivity (Details): Reacts with human 32 kDa Caspase-3 in cell extracts.
Purification: Antiserum

Target details

Alternative Name: Caspase-3
Background: Involved in the activation cascade of caspases responsible for apoptosis execution.
UniProt: P42574

Application Details

Application Notes: Optimal dilution should be determined by the end user.
 The following are guidelines only: IHC: 1/100 to 1/500, WB: 1/500 to 1/5 000
Restrictions: For Research Use only

Handling

Format: Lyophilized
Reconstitution: Must be reconstituted in distilled water.
Storage: 4 °C/-20 °C
Storage Comment: Lyophilized powder stable for a minimum of 2 years at -20 °C. Store re

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 тайна;
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 ал.1 от ЗЗЛД

LOX-1 Polyclonal Antibody

CATALOG #:

3659-100

AMOUNT:

100 µl

LOT #:

FORMULATION:

100 µl peptide affinity purified goat anti-LOX-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

SPECIES REACTIVITY:

human (Other species have not been tested)

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

Lectin-like oxidized low-density-lipoprotein receptor-1 (LOX-1), also known as oxidized low-density-lipoprotein receptor-1 (OLR-1), belongs to the C-type lectin family. LOX-1 binds and supports the internalization of multiple structurally unrelated macromolecules including oxidized LDL, advanced glycation end products (AGE), activated platelets, bacteria, apoptotic or aged cells, and heat shock proteins. Human LOX-1 gene encodes a 273 amino acid residues (aa) protein with a short N-terminal intracellular domain, a transmembrane domain, an extracellular stalk/neck region followed a C-type lectin-like domain (CTLD). The expression of LOX-1 is induced by proinflammatory or proatherogenic stimuli, as well as by oxidized LDL itself and hemodynamic or oxidative stress. LOX-1-dependent oxidized LDL uptake also induces apoptosis by inducing the expression of the pro-apoptotic Bax and downregulation of the anti-apoptotic Bcl-2.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (1:500-1000) using ECL. However, the optimal conditions should be determined individually. Other applications have not been determined.

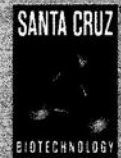
NOTE:

For Research Use Only | Not to be used in human!

RELATED PRODUCTS:

- Apoptosis Detection Kits & Reagents
- Annexin V Kits & Bulk Reagents
 - Caspase Assay Kits & Reagents
 - Mitochondrial Apoptosis Kits & Reagents
 - Nuclear Apoptosis Kits & Reagents
 - Apoptosis Inducers and Set
 - Apoptosis siRNA Vectors
- Cell Fractionation System
- Mitochondria/Cytosol Fractionation Kit
 - Nuclear/Cytosol Fractionation Kit
 - Membrane Protein Extraction Kit
 - Cytosol/Particulate Rapid Separation Kit
 - Mammalian Cell Extraction Kit
 - FractionPREP Fractionation System
- Cell Proliferation & Senescence
- Quick Cell Proliferation Assay Kit
 - Senescence Detection Kit
 - High Throughput Apoptosis/Cell Viability Assay Kits
 - LDH-Cytotoxicity Assay Kit
 - Bioluminescence Cytotoxicity Assay Kit
 - Live/Dead Cell Staining Kit
- Cell Damage & Repair
- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
 - HAT Colorimetric Assay Kit & Reagents
 - DNA Damage Quantification Kit
 - Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- Signal Transduction
- cAMP & cGMP Assay Kits
 - Akt & JNK Activity Assay Kits
 - Beta-Secretase Activity Assay Kit
- Adipocyte & Lipid Transfer
- Recombinant Adiponectin, Survivin, & Leptin
 - CETP Activity Assay & Drug Discovery Kits
 - PLTP Activity Assay & Drug Discovery Kits
 - Total Cholesterol Quantification Kit
- Molecular Biology & Reporter Assays
- siRNA Vectors
 - Cloning Insert Quick Screening Kit
 - Mitochondrial & Genomic DNA Isolation Kits
 - 5 Minutes DNA Ligation Kit
 - 20 Minutes Gel Staining/DeStaining Kit
 - β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit
- Growth Factors and Cytokines
- Monoclonal and Polyclonal Antibodies

SANTA CRUZ BIOTECHNOLOGY, INC.

TLR4 (H-80): sc-10741

The Power of Donkeys

BACKGROUND

Six human homologs of the *Drosophila* Toll receptor were initially identified based on their sequence similarities and designated Toll-like receptors (TLR). Toll receptors are involved in mediating dorsoventral polarization in the developing *Drosophila* embryo and also participate in the host immunity. The TLR family of proteins are characterized by a highly conserved Toll homology (TH) domain, which is essential for Toll-induced signal transduction. TLR1, as well as the other TLR family members, are type I transmembrane receptors that characteristically contain an extracellular domain consisting of several leucine-rich regions along with a single cytoplasmic Toll/IL-1R-like domain. TLR2 and TLR4 are activated in response to lipopolysaccharide (LPS) stimulation, which results in the activation and translocation of NF κ B and suggests that these receptors are involved in mediating inflammatory responses. Expression of TLR receptors is highest in peripheral blood leukocytes, macrophages, and monocytes. TLR6 is highly homologous to TLR1, sharing greater than 65% sequence identity, and, like other members of TLR family, it induces NF κ B signaling upon activation.

CHROMOSOMAL LOCATION

Genetic locus: TLR4 (human) mapping to 9q33.1; Tlr4 (mouse) mapping to 4 C1.

SOURCE

TLR4 (H-80) is a rabbit polyclonal antibody raised against amino acids 242-321 of TLR4 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

TLR4 (H-80) is recommended for detection of TLR4 of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TLR4 siRNA (h): sc-40260, TLR4 siRNA (m): sc-40261, TLR4 siRNA (r): sc-156001, TLR4 shRNA Plasmid (h): sc-40260-SH, TLR4 shRNA Plasmid (m): sc-40261-SH, TLR4 shRNA Plasmid (r): sc-156001-SH, TLR4 shRNA (h) Lentiviral Particles: sc-40260-V, TLR4 shRNA (m) Lentiviral Particles: sc-40261-V and TLR4 shRNA (r) Lentiviral Particles: sc-156001-V.

Molecular Weight of TLR4: 95 kDa.

Molecular Weight of glycosylated TLR4: 120 kDa.

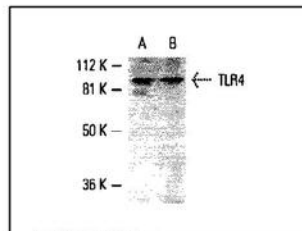
Positive Controls: HEL 92.1.7 cell lysate: sc-2270, THP-1 cell lysate: sc-2238 or HL-60 whole cell lysate: sc-2209.

STORAGE

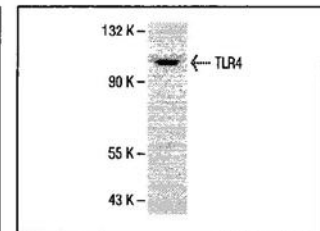
Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA

TLR4 (H-80): sc-10741. Western blot analysis of TLR4 expression in HEL 92.1.7 (A) and HL-60 (B) whole cell lysates.



TLR4 (H-80): sc-10741. Western blot analysis of TLR4 expression in THP-1 whole cell lysate.

SELECT PRODUCT CITATIONS

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- Ikebe, M., et al. 2009. Lipopolysaccharide (LPS) increases the invasive ability of pancreatic cancer cells through the TLR4/MyD88 signaling pathway. *J. Surg. Oncol.* 100: 725-731.
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- Fan, W., et al. 2010. FoxO1 regulates Tlr4 inflammatory pathway signalling in macrophages. *EMBO J.* 29: 4223-4236.
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00P-7-24

SANTA CRUZ BIOTECHNOLOGY, INC.

vinculin (N-19): sc-7649



The Power to Conquer

BACKGROUND

Focal adhesions were identified as areas within the plasma membrane of tissue culture cells that adhere tightly to the underlying substrate. *In vivo*, these regions are involved in the adhesion of cells to the extracellular matrix. Paxillin and vinculin are cytoskeletal, focal adhesion proteins that are components of a protein complex, which links the actin network to the plasma membrane. Vinculin binding sites have been identified on other cytoskeletal proteins, including talin and α -actinin. In addition, vinculin, talin and α -actinin each contain actin binding sites. Expression of vinculin and talin were shown to be affected by the level of actin expression. α -actinin has been shown to link actin to integrins in the plasma membrane through interactions with the vinculin and talin complex or by a direct interaction with integrin.

CHROMOSOMAL LOCATION

Genetic locus: VCL (human) mapping to 10q22.2; Vcl (mouse) mapping to 14 A3.

SOURCE

vinculin (N-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of vinculin of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-7649 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

vinculin (N-19) is recommended for detection of vinculin of mouse, rat, human and *Drosophila melanogaster* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

vinculin (N-19) is also recommended for detection of vinculin in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for vinculin siRNA (h): sc-29524, vinculin siRNA (m): sc-36819, vinculin shRNA Plasmid (h): sc-29524-SH, vinculin shRNA Plasmid (m): sc-36819-SH, vinculin shRNA (h) Lentiviral Particles: sc-29524-V and vinculin shRNA (m) Lentiviral Particles: sc-36819-V.

Molecular Weight of vinculin: 117 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200, HISM cell lysate: sc-2229 or vinculin (h): 293T Lysate: sc-113822.

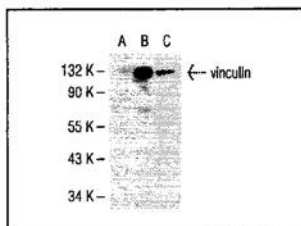
STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

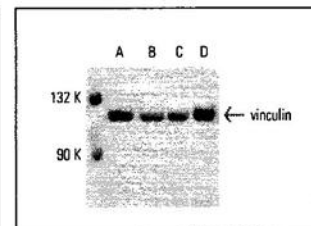
RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA



vinculin (N-19): sc-7649. Western blot analysis of vinculin expression in non-transfected 293T: sc-117752 (A), human vinculin transfected 293T: sc-113822 (B) and HUVEC-C (C) whole cell lysates.



vinculin (N-19): sc-7649. Western blot analysis of vinculin expression in HUVEC-C (A), HeLa (B), MDCK (C) and HISM (D) whole cell lysates.

SELECT PRODUCT CITATIONS

- Palmer, H.G., et al. 2001. Vitamin D₃ promotes the differentiation of colon carcinoma cells by the induction of E-cadherin and the inhibition of β -catenin signaling. *J. Cell Biol.* 154: 369-387.
- Cerecedo, D., et al. 2008. β -Dystroglycan modulates the interplay between actin and microtubules in human-adhered platelets. *Br. J. Haematol.* 141: 517-528.
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- Garamszegi, N., et al. 2010. Extracellular matrix-induced transforming growth factor- β receptor signaling dynamics. *Oncogene* 29: 2368-2380.
- Belletti, B., et al. 2010. p27^{Kip1} controls cell morphology and motility by regulating microtubule-dependent lipid raft recycling. *Mol. Cell. Biol.* 30: 2229-2240.
- Schiappacassi, M., et al. 2011. Role of T198 modification in the regulation of p27^{Kip1} protein stability and function. *PLoS ONE* 6: e17673.

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Integrin beta 1 (ITGB1) antibody

Antigen: Integrin beta 1 (ITGB1)
Synonyms: CD29, FNRB, MDF2, VLAB, GPIIA, MSK12, VLA-BETA, 4633401G24Rik, AA409975, AA960159, ENSMUSG00000051907, Fnrb, Gm9863, gpIIa, cd29, fnrb, gpiia, itgb1, mdf2, msk12, vla-beta, vlab
Reactivity: Mouse (Murine)
Host: Rat
Clonality: Monoclonal (9EG7)
Application: Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (ffpe)), Western Blotting (WB), Immunoprecipitation (IP), Functional Studies (Func)
Catalog no.: ABIN967378
Quantity: 0.5 mg
Price:
Availability: Will be delivered in 2 to 4 Business Days (Ships to: European Union)

Product Details

Immunogen: Mouse endothelial cell line
Clone: 9EG7
Isotype: IgG2a, kappa
Characteristics:

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to us for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

Purification: Purified from tissue culture supernatant or ascites by affinity chromatography.
Purity: Purified

Target details

Alternative Name: CD29
Background: The 9EG7 antibody reacts with the 130-kDa integrin beta1 chain (CD29). CD29 is expressed on the cell surface as a heterodimer with one of the distinct integrin alpha chains. With alpha1 through alpha6 (CD49a through CD49f), it forms the VLA-1 through VLA-6 complexes, respectively, and with alphav (CD51), it forms alphavbeta1 integrin. It also associates with the integrin alpha7 alpha8 and alpha9 chains in non-lymphoid tissues. As a result, CD29 has a broad tissue distribution, including lymphocytes, endothelia, smooth muscle, and epithelia. 9EG7 mAb has been shown to inhibit both the alpha6beta1-mediated binding of lymphocytes to endothelial cells and the adhesion mediated by activated, but not unactivated, alpha4beta1-integrin. The source of the immunogen was mouse lymph node-derived **endothelial cell line TME**.
Synonyms: Integrin beta1 chain
Research Area: CD Antigens, Surface Receptors of Immune Cells

Заличен печат - чл.37, ал. 1 от ЗЗК - търговска тайна;
 Заличен подпис - чл.2, ал.1 от ЗЗЛД

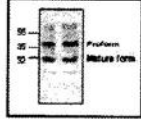
Application Details

Phone: +49 (0)241 95 163 153
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antibodies

Oxidized Low Density Lipoprotein (Lectin-Like) Receptor 1 (OLR1) (N-Term) antibody

| | | |
|---------------|--|---|
| Antigen: | Oxidized Low Density Lipoprotein (Lectin-Like) Receptor 1 (OLR1) | 1 Image available |
| Synonyms: | PLOX-1, CLEC8A, <u>LOX1</u> , LOXIN, SCARE1, SLOX1, LOX-1, SR-EI, Scare1, Oldr1, Oldr1, Olr1, OLR1 |  |
| Epitope: | N-Term | |
| Reactivity: | Human, Mouse (Murine), Rat (Rattus) | |
| Host: | Rabbit | |
| Clonality: | Polyclonal | |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) | |
| Catalog no.: | <u>ABIN223339</u> | |
| Quantity: | <u>100 µg</u> | |
| Price: | | |
| Availability: | Will be delivered in 6 to 9 Business Days (Ships to: European Union) | |

Product Details

| | |
|---------------|--|
| Immunogen: | Synthetic peptide near the N-terminus of human Lox-1 |
| Isotype: | IgG |
| Purification: | Affinity purified |

Target details

| | |
|-------------------|--|
| Alternative Name: | LOX-1 |
| Background: | Lectin-like oxidized low-density-lipoprotein receptor-1 (LOX-1), also known as oxidized low-density-lipoprotein receptor-1 (OLR-1), belongs to the C-type lectin family. LOX-1 binds and supports the internalization of multiple structurally unrelated macromolecules including oxidized LDL, advanced glycation end products (AGE), activated platelets, bacteria, apoptotic or aged cells, and heat shock proteins. Human LOX-1 gene encodes a 273 amino acid residues (aa) protein with a short N-terminal intracellular domain, a transmembrane domain, an extracellular stalk/neck region followed a C-type lectin-like domain (CTLD). The expression of LOX-1 is induced by proinflammatory or proatherogenic stimuli, as well as by oxidized LDL itself and hemodynamic or oxidative stress. LOX-1-dependent oxidized LDL uptake also induces apoptosis by inducing the expression of the pro-apoptotic Bax and downregulation of the anti-apoptotic Bcl-2. |
| Gene ID: | 4973 |
| UniProt: | P78380 |

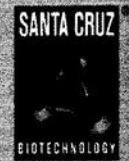
Application Details

| | |
|--------------------|---|
| Application Notes: | Western blotting (0.5-4 µg/mL), detecting the pro- (approx. 50 kDa) and the mature (approx. 30 kDa) forms of Lox-1 in samples from human, mouse and rat origins. Other applications have not been determined. |
| Restrictions: | For Research Use only |

Handling

Заличен печат - чл.37, ал. 1 от ЗЗК - търговска тайна;
 Заличен подпис - чл.2, ал.1 от ЗЗЛД

SANTA CRUZ BIOTECHNOLOGY, INC.

TLR4 (H-80): sc-10741

The Power to Discover

BACKGROUND

Six human homologs of the *Drosophila* Toll receptor were initially identified based on their sequence similarities and designated Toll-like receptors (TLR). Toll receptors are involved in mediating dorsoventral polarization in the developing *Drosophila* embryo and also participate in the host immunity. The TLR family of proteins are characterized by a highly conserved Toll homology (TH) domain, which is essential for Toll-induced signal transduction. TLR1, as well as the other TLR family members, are type I transmembrane receptors that characteristically contain an extracellular domain consisting of several leucine-rich regions along with a single cytoplasmic Toll/IL-1R-like domain. TLR2 and TLR4 are activated in response to lipopolysaccharide (LPS) stimulation, which results in the activation and translocation of NF κ B and suggests that these receptors are involved in mediating inflammatory responses. Expression of TLR receptors is highest in peripheral blood leukocytes, macrophages, and monocytes. TLR6 is highly homologous to TLR1, sharing greater than 65% sequence identity, and, like other members of TLR family, it induces NF κ B signaling upon activation.

CHROMOSOMAL LOCATION

Genetic locus: TLR4 (human) mapping to 9q33.1; Tlr4 (mouse) mapping to 4 C1.

SOURCE

TLR4 (H-80) is a rabbit polyclonal antibody raised against amino acids 242-321 of TLR4 of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

TLR4 (H-80) is recommended for detection of TLR4 of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for TLR4 siRNA (h): sc-40260, TLR4 siRNA (m): sc-40261, TLR4 siRNA (r): sc-156001, TLR4 shRNA Plasmid (h): sc-40260-SH, TLR4 shRNA Plasmid (m): sc-40261-SH, TLR4 shRNA Plasmid (r): sc-156001-SH, TLR4 shRNA (h) Lentiviral Particles: sc-40260-V, TLR4 shRNA (m) Lentiviral Particles: sc-40261-V and TLR4 shRNA (r) Lentiviral Particles: sc-156001-V.

Molecular Weight of TLR4: 95 kDa.

Molecular Weight of glycosylated TLR4: 120 kDa.

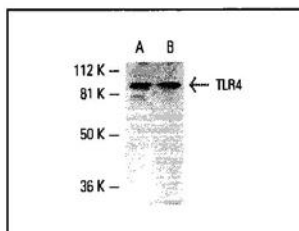
Positive Controls: HEL 92.1.7 cell lysate: sc-2270, THP-1 cell lysate: sc-2238 or HL-60 whole cell lysate: sc-2209.

STORAGE

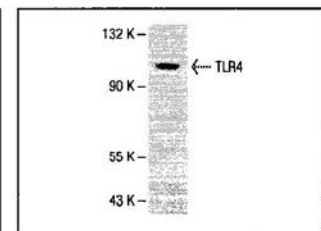
Store at 4 $^{\circ}$ C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

DATA

TLR4 (H-80): sc-10741. Western blot analysis of TLR4 expression in HEL 92.1.7 (A) and HL-60 (B) whole cell lysates.



TLR4 (H-80): sc-10741. Western blot analysis of TLR4 expression in THP-1 whole cell lysate.

SELECT PRODUCT CITATIONS

- Medvedev, A.E., et al. 2002. Dysregulation of LPS-induced Toll-like receptor 4-MyD88 complex formation and IL-1 receptor-associated kinase 1 activation in endotoxin-tolerant cells. *J. Immunol.* 169: 5209-5216.
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- Tseng, P.H., et al. 2010. Different modes of ubiquitination of the adaptor TRAF3 selectively activate the expression of type I interferons and proinflammatory cytokines. *Nat. Immunol.* 11: 70-75.
- Pajarinen, J., et al. 2010. Titanium particles modulate expression of Toll-like receptor proteins. *J. Biomed. Mater. Res. A* 92: 1528-1537.
- Fan, W., et al. 2010. FoxO1 regulates Tlr4 inflammatory pathway signalling in macrophages. *EMBO J.* 29: 4223-4236.
- Sienerth, A.R., et al. 2011. Polycomb group protein Bmi1 negatively regulates IL-10 expression in activated macrophages. *Immunol. Cell Biol.* 89: 812-816.
- González-Reyes, S., et al. 2011. Study of TLR3, TLR4, and TLR9 in prostate carcinomas and their association with biochemical recurrence. *Cancer Immunol. Immunother.* 60: 217-226.
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- Kanczkowski, W., et al. 2011. Upregulation of TLR2 and TLR4 in the human adrenocortical cells differentially modulates adrenal steroidogenesis. *Mol. Cell. Endocrinol.* 336: 41-46.
- Silva, M.A., et al. 2012. Increased bacterial translocation in gluten-sensitive mice is independent of small intestinal paracellular permeability defect. *Dig. Dis. Sci.* 57: 38-47.
- Eiró, N., et al. 2012. Duodenal expression of toll-like receptors and interleukins are increased in both children and adult celiac patients. *Dig. Dis. Sci.* 57: 2278-2285.



Европейски съюз

ЕВРОПЕЙСКИ СОЦИАЛЕН ФОНД 2007 – 2013
МИНИСТЕРСТВО НА ОБРАЗОВАНИЕТО И НАУКАТА
ОПЕРАТИВНА ПРОГРАМА „РАЗВИТИЕ НА ЧОВЕШКИТЕ РЕСУРСИ“

BG051PO001-3.3.06 -0059



Европейски социален фонд

**ФУНДАМЕНТАЛНО И ПРИЛОЖНО ОБУЧЕНИЕ
НА ДОКТОРАНТИ, ПОСТДОКТОРАНТИ,
СПЕЦИАЛИЗАНТИ И МЛАДИ УЧЕНИ
В ИНТЕРДИСЦИПЛИНАРНИ БИОЛОГИЧНИ НАПРАВЛЕНИЯ
И ИНОВАЦИОННИ БИОТЕХНОЛОГИИ.**

Бенефициент:

Институт по биология и имунология на размножаването "Акад. Кирил Братанов"

Образец № 4

ДО ИБИР – БАН
бул. „Цариградско шосе“ № 73
гр. София

ЦЕНОВА ОФЕРТА

За участие в открита процедура за възлагане на обществена поръчка с предмет:
«Доставка на материали /реактиви/ и консумативи по обособени позиции»

ЗА ОБОСОБЕНА ПОЗИЦИЯ № 7 и име Първични антитела за имунохистохимия

Настоящата оферта е подадена от: **БИОПЛАСТ ЕООД** /наименование на участника/,
ЕИК/БУЛСТАТ 200797338; адрес по регистрация: гр. София, жк.Слатина, ул. Мъдрен №16, ет.4,
ап.13.

УВАЖАЕМА ГОСПОЖО ДИРЕКТОР,

1. С настоящето представяме нашата ценова оферта за обособена позиция **№ 7 и име Първични антитела за имунохистохимия** (офертата се изготвя за всяка обособена позиция по отделно) от поръчката.

Приемаме да изпълним поръчката по посочената обособена позиция, при следните цени:

| |
|---|
| Заличен печат - чл.37, ал. 1 от ЗЗК - търговска тайна; Заличен подпис - чл.2, ал.1 от ЗЗЛД |
|---|

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси“
2007-2013, съфинансирана от Европейския съюз чрез “Европейския социален фонд“

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|----------|-------------|--|---------------|------------|--|---|--|
| № по ред | Номер от ОП | Наименование | Единица мярка | Количество | Предложение на участника | Единична цена в лева без ДДС, съобразно единицата мярка | Обща цена в лева без ДДС (колона 5 x колона 7) |
| 70 | ОП Р-7 | Обособена позиция № 7 – Име - Първични антигени за имунохистохимия | | | | | |
| | ОП Р-7-1 | Мише моноклонално анти тяло срещу Тирозин хидроксилаза (клас IgM); подходящо за имуноблот; да реагира с мишка, плъх и човек; разфасовка – не по-малко от 200 µg в 1 ml | опаковка | 1 | Мише моноклонално анти тяло срещу Тирозин хидроксилаза (клас IgM); подходящо за имуноблот; реагира с мишка, плъх и човек; разфасовка – 200 µg в 1 ml | 635,00 лв. | 635,00 лв. |
| 71 | ОП Р-7-2 | Зашко анти-мише IgM - FITC; разфасовка - не по-малко от 200 µg в 0.5 ml | опаковка | 1 | Зашко анти-мише IgM - FITC; разфасовка - 200 µg в 0.5 ml | 635,00 лв. | 635,00 лв. |
| 72 | ОП Р-7-3 | Мише моноклонално анти тяло срещу Sympartotagmin I (клас IgG); подходящо за имуноблот; да реагира с мишка, плъх и човек; разфасовка - не по-малко от 200 µg в 1 ml | опаковка | 1 | Мише моноклонално анти тяло срещу Sympartotagmin I (клас IgG); подходящо за имуноблот; реагира с мишка, плъх и човек; разфасовка - 200 µg в 1 ml | 635,00 лв. | 635,00 лв. |
| 73 | ОП Р-7-4 | Зашко поликлонално анти тяло срещу AlphaB Crystallin; подходящо за имунохистохимия на парафинови и криостатни срези; имуноблот и имуноцитохимия; да реагира с мишка и човек; разфасовка - 100 µl; концентрация - 1 mg/ml | опаковка | 1 | Зашко поликлонално анти тяло срещу Alpha B Crystallin; подходящо за имунохистохимия на парафинови и криостатни срези, имуноблот и имуноцитохимия; реагира с мишка и човек; разфасовка - 100 µl; концентрация - 1 mg/ml | 1 065,00 лв. | 1 065,00 лв. |
| 74 | ОП Р-7-5 | Зашко поликлонално анти тяло срещу AlphaB Crystallin (phosphor S59); подходящо за имунохистохимия на парафинови и криостатни срези; имуноблот и имуноцитохимия; да реагира с мишка и човек; | опаковка | 1 | Зашко поликлонално анти тяло срещу Alpha B Crystallin (phospho S59); подходящо за имунохистохимия на | 1 135,00 лв. | 1 135,00 лв. |

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси” 2007-2013, съфинансирана от Европейския съюз чрез “Европейския социален фонд”

Заличен печат - чл.37, ал. 1 от ЗЗК - Търговска тайна; Заличен подпис - чл.2, ал.1 от ЗЗЛД

| | | | | | | | |
|----|-----------|---|----------|---|---|------------|------------|
| | | разфасовка - 100 µl; концентрация - 1 mg/ml | | | парафинови и криостатни срези, имуноблот и имуноцитохимия; реагираща с мишка и човек; разфасовка - 100 µl; концентрация - 1 mg/ml | | |
| 75 | ОП Р-7-6 | Мише моноклонално анти тяло срещу Kissreptin-1; подходящо за имунохистохимия на парафинови срези; концентрация - 100 µg/ml. | опаковка | 1 | Мише моноклонално анти тяло срещу Kissreptin-1; подходящо за имунохистохимия на парафинови срези; концентрация - 100 µg/ml. | 730,00 лв. | 730,00 лв. |
| 76 | ОП Р-7-7 | Анти тяло срещу Мелатонин-1 рецептор, подходящо за имунохистохимия на парафинови срези | опаковка | 1 | Козе поликлонално анти тяло срещу Мелатонин-1В-рецептор; подходящо за имунохистохимия на парафинови срези; разфасовка - 200 µg в 1 ml | 635,00 лв. | 635,00 лв. |
| 77 | ОП Р-7-8 | Анти тяло и блокиращ реактив за детекция на GDF9 в заешки тъкани, разфасовка от 100 мкл | опаковка | 1 | Набор за имунохистохимия, съдържаш: 1. Заешко поликлонално анти тяло срещу GDF-9 2. Блокиращ реактив при използването на заешки анти тела върху заешка тъкан - 15 ml | 650,00 лв. | 650,00 лв. |
| 78 | ОП Р-7-9 | Анти тяло и блокиращ реактив за детекция на BMP15 в заешки тъкани, разфасовка от 100 мкл | опаковка | 1 | Набор за имунохистохимия, съдържаш: 1. Заешко поликлонално анти тяло срещу BMP-15 2. Блокиращ реактив при използването на заешки анти тела върху заешка тъкан - 15 ml | 65,00 лв. | 65,00 лв. |
| 79 | ОП Р-7-10 | Анти тяло срещу Ki-67; подходящо за флоуцитометрия, имунохистохимия, | опаковка | 1 | Козе поликлонално анти тяло срещу Ki-67; | 635,00 лв. | 635,00 лв. |

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси“ 2007-2013, съфинансирана от Европейския съюз чрез „Европейския социален фонд“

Заличен печат - чл.37, ал. 1 от ЗЗК - търговска тайна; Заличен подпис - чл.2, ал.1 от ЗЗЛД

| | | имунофлуоресценция и имуноблот; | | | за подходящо флуориметрия, имунохистохимия, имунофлуоресценция и имуноблот; | | |
|----|-----------|--|----------|---|--|------------------------------|------------------------------|
| 80 | ОП Р-7-11 | Моноклонално анти тяло срещу афлатоксин | опаковка | 1 | Моноклонално анти тяло срещу Aflatoxin antibody [ATB] | 1 040,00 лв. | 1 040,00 лв. |
| 81 | ОП Р-7-12 | Анти тяло срещу каспаза 3, апоптоза-свързана цистеинова пептидаза | опаковка | 1 | Заешко моноклонално анти тяло срещу Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3) | 1 190,00 лв. 1 123,00 лв. | 1 190,00 лв. 1 123,00 лв. |
| 82 | ОП Р-7-13 | Анти тяло срещу тубулин | опаковка | 1 | Tubulin (TUB) antibody | | |
| 83 | ОП Р-7-14 | Поликлонално анти тяло срещу MUC1; подходящо за имунохистохимия, имунофлуоресценция и имуноблот; разфасовка от 0.05 гр. | опаковка | 1 | Заешко поликлонално анти тяло срещу Mucin 1, Cell Surface Associated (MUC1) (C-Term); подходящо за имунохистохимия, имунофлуоресценция и имуноблот; разфасовка от 0.05 гр. | 749,00 лв. | 749,00 лв. |
| 84 | ОП Р-7-15 | Моноклонално анти тяло срещу Bestrophin 1 (клон Е6-6); подходящо за имунохистохимия, имуноблот, имунопреципитация и имунофлуоресценция; разфасовка от 0.1 мл. | опаковка | 2 | Мише моноклонално анти тяло срещу Bestrophin 1 (BEST1) (клон Е6-6); подходящо за имунохистохимия, имуноблот, имунопреципитация и имунофлуоресценция; разфасовка от 0.1 мл. | 932,00 лв. | 1 864,00 лв. |
| 85 | ОП Р-7-16 | Анти тяло срещу beta-catenin | опаковка | 1 | Заешко поликлонално анти тяло срещу beta-catenin | 635,00 лв. | 635,00 лв. |
| 86 | ОП Р-7-17 | Поликлонално анти тяло срещу p-ERK 1/2 (Thr202-Tyr204); подходящо за имунохистохимия, имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - не по-малко от 200 µg в 1 ml | опаковка | 1 | Козе поликлонално анти тяло срещу p-ERK 1/2 Antibody (Thr 202/Tyr 204); подходящо за имунохистохимия, | 635,00 лв. | 635,00 лв. |

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси” 2007-2013, съфинансирана от Европейския съюз през

“Европейския социален фонд“

Заличен
печат -
чл.37, ал. 1
от ЗЗК -
Търговска
тайна;
Заличен
подпис -
чл.2, ал.1
от ЗЗЛД

| | | | | | | | | | |
|----|-----------|--|----------|---|--|---|--------------|--------------|--------------|
| 87 | ОП Р-7-18 | Блокиращ пептид за p-ERK 1/2 (Thr202-Tyr204) антигяло; разфасовка - не по-малко от 100 µg/0.5 ml | опаковка | 1 | Блокиращ пептид за поликлонално антигяло срещу p-ERK 1/2 (Thr 202/ Tyr 204); разфасовка - 100 µg/0.5 ml | имунофлуоресценция, мунопреципитация и имуноблот; разфасовка - 200 µg в 1 ml | 160,00 лв. | 160,00 лв. | 160,00 лв. |
| 88 | ОП Р-7-19 | Козе поликлонално антигяло срещу Мелатонин - 1В рецептор; подходящо за имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - не по-малко от 200 µg в 1 ml | опаковка | 1 | Козе поликлонално антигяло срещу Мелатонин - 1В рецептор; подходящо за имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - 200 µg в 1 ml | Козе поликлонално антигяло срещу MEL-1B-R; подходящо за имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - 200 µg в 1 ml | 635,00 лв. | 635,00 лв. | 635,00 лв. |
| 89 | ОП Р-7-20 | Блокиращ пептид за Мелатонин - 1В рецептор антигяло; разфасовка - не по-малко от 100 µg/0.5 ml | опаковка | 1 | Блокиращ пептид за Мелатонин - 1В рецептор антигяло; разфасовка - не по-малко от 100 µg/0.5 ml | Блокиращ пептид за поликлонално антигяло срещу MEL-1B-R; разфасовка - 100 µg/0.5 ml | 160,00 лв. | 160,00 лв. | 160,00 лв. |
| 90 | ОП Р-7-21 | Поликлонално антигяло срещу CASPASE 3 (CPP32); разфасовка - 0.2 мл. | опаковка | 1 | Поликлонално антигяло срещу CASPASE 3 (CPP32); разфасовка - 0.2 мл. | Зашко поликлонално антигяло срещу Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3) - CPP32 | 895,00 лв. | 895,00 лв. | 895,00 лв. |
| 91 | ОП Р-7-22 | Козе поликлонално антигяло срещу LOX-1; подходящо за имуноблот; разфасовка от 100 µl | опаковка | 1 | Козе поликлонално антигяло срещу LOX-1; подходящо за имуноблот; разфасовка от 100 µl | Козе поликлонално антигяло срещу LOX-1; подходящо за имуноблот; разфасовка от 100 µl | 1 020,00 лв. | 1 020,00 лв. | 1 020,00 лв. |
| 92 | ОП Р-7-23 | Зашко поликлонално антигяло срещу TLR4; да разпознава епитоп в 242-321 аминокиселинни последователности; подходящо за имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - не по-малко от 200 µg в 1 ml | опаковка | 1 | Зашко поликлонално антигяло срещу TLR4; да разпознава епитоп в 242-321 аминокиселинни последователности; подходящо за имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - не по-малко от 200 µg в 1 ml | Зашко поликлонално антигяло срещу TLR4; да разпознава епитоп в 242-321 аминокиселинни последователности; подходящо за имунофлуоресценция, имунопреципитация и имуноблот; разфасовка - 200 µg в 1 ml | 660,00 лв. | 660,00 лв. | 660,00 лв. |

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси” 2007-2013, съфинансирана от Европейския съюз чрез „Европейския социален фонд“

Заличен печат - чл.37, ал. 1 от ЗЗК - търговска тайна; Заличен подпис - чл.2, ал.1 от ЗЗЛД

| | | | | | | | |
|----|-----------|---|-----------|---|--|--------------|--------------|
| 93 | ОП Р-7-24 | Антитяло срещу Vinculin; да реагира с мишка; подходящо за имунофлуоресценция | опаковка | 1 | Козе поликлонално антитяло срещу vinculin; реагира с мишка; подходящо за имунофлуоресценция | 635,00 лв. | 635,00 лв. |
| 94 | ОП Р-7-25 | Моноклонално антитяло срещу Integrin beta 1 (активирана форма) (клон 9EG7); подходящо за имунохимия; да реагира с човек и мишка | милилитър | 1 | Плъше моноклонално антитяло срещу Integrin beta 1 (ITGB1) (активирана форма) (клон 9EG7); подходящо за имунохимия; реагира с човек и мишка | 1 490,00 лв. | 1 490,00 лв. |
| 95 | ОП Р-7-26 | Антитяло срещу LOX-1; разфасовка от 100 µg | опаковка | 1 | Зашско поликлонално антитяло срещу Oxidized Low Density Lipoprotein (Lectin-Like) Receptor 1 (OLR1) (N-Term); разфасовка от 100 µg | 728,00 лв. | 728,00 лв. |
| 96 | ОП Р-7-27 | Антитяло срещу TLR4; разфасовка - не по-малко от 200 µg в 1 ml | опаковка | 1 | Зашско поликлонално антитяло срещу TLR4; разфасовка - 200 µg в 1 ml | 635,00 лв. | 635,00 лв. |

| | | |
|--|--|---------------|
| Обща цена на обособената позиция, лева без ДДС | | 21 074,00 лв. |
| За участници регистрирани по ЗДДС: ДДС = 20%, лева | | 4 214,80 лв. |
| Обща цена на офертата с ДДС, лева | | 25 288,80 лв. |

Пояснения:

- Колони 1 – 5 от таблицата се попълват съгласно Техническата Спецификация на Възложителя - Приложение № 1 от документацията за участие – без да се променят !!.
- Колона № 6 „Предложение на участника» може да не се попълва с конкретни технически характеристики, каталожен или партиден номер на артикула и други, а да се напише текст „Съгласно приложената Техническа оферта за съответната обособена позиция”.
- ДДС, в случай, че е дължим от Възложителя, ще се заплаща съгласно разпоредбите на българското законодателство.
- Оценката на офертите се извършва по цени в лева без ДДС.!

Заличен печат - чл.37,
ал. 1 от ЗЗК -
търговска тайна;
Заличен подпис - чл.2,
ал.1 от ЗЗЛД

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси” 2007-2013, съфинансирана от Европейския съюз чрез “Европейския социален фонд”

2. Цените включват стойност на стоките и всички присъщи разходи, данъци и такси за доставка (без ДДС) франко ИБИР-БАН, гр. София, бул. «Цариградско шосе» № 73. Данък добавена стойност (ДДС) се заплаща отделно, съгласно изискванията на българското законодателство.

3. Цените се представят с точност до втория знак след десетичната запетая и не подлежат на промяна за срока на договора, сключен с Възложителя.

4. Условия и начин на плащане: по банков път, в лева по наша банкова сметка както следва:

Заличени данни - чл.37, ал. 1 от ЗЗК - търговска тайна

при банка Заличени данни - чл.37, ал. 1 от ЗЗК - търговска тайна
в срок от 5 календарни дни след доставка и представяне на фактура, двустранно подписан приемателно-предавателен протокол и заверено копие на писмена заявка от възложителя.

5. При условие, че бъдем избрани за изпълнител на обществената поръчка, ще представим парична / банкова гаранция за изпълнение на задълженията по договора в размер на 2% от стойността му, без ДДС.

6. Подаването на настоящата ценова оферта удостоверява безусловното приемане от наша страна на всички изисквания и задължения, поставени от Възложителя в провежданата процедура.

! ВАЖНО: Ако участникът подава оферта за повече от една обособена позиция, плик № 3, т.е. Ценова оферта се представя за всяка обособена позиция по отделно в отделен плик № 3 и се надписва по следния начин:

„Име на участника:
Предлагана цена по обособена позиция № ”.

Дата 8.08.2014 год.
гр. София.

Заличен печат - чл.37, ал. 1 от ЗЗК -
търговска тайна;
Заличен подпис - чл.2, ал.1 от ЗЗЛД

.....
/ подпис, печат/

Упълномощен да подпише предложението за и от името на
..... (изписва се името на участника)
.....
(изписва се името на упълномощеното лице и длъжността,
като в случай, че това не е законния представител на
участника се прилага нотариално заверено пълномощно).

BG051PO001-3.3.06 -0059

«Доставка на материали /реактиви/ и консумативи по обособени позиции»



Европейски съюз

ЕВРОПЕЙСКИ СОЦИАЛЕН ФОНД 2007 – 2013
МИНИСТЕРСТВО НА ОБРАЗОВАНИЕТО И НАУКАТА
ОПЕРАТИВНА ПРОГРАМА „РАЗВИТИЕ НА ЧОВЕШКИТЕ РЕСУРСИ“



BG051PO001-3.3.06 -0059

ФУНДАМЕНТАЛНО И ПРИЛОЖНО ОБУЧЕНИЕ
НА ДОКТОРАНТИ, ПОСТДОКТОРАНТИ,
СПЕЦИАЛИЗАНТИ И МЛАДИ УЧЕНИ
В ИНТЕРДИСЦИПЛИНАРНИ БИОЛОГИЧНИ НАПРАВЛЕНИЯ
И ИНОВАЦИОННИ БИОТЕХНОЛОГИИ.

Проектът се осъществява с финансовата подкрепа на Оперативна програма „Развитие на човешките ресурси“ 2007-2013, съфинансирана от Европейския съюз чрез “Европейския социален фонд“

Образец № 8

ДЕКЛАРАЦИЯ

по чл. 56, ал. 1, т. 8 от ЗОП

за използване / не използване на подизпълнители

Долуподписаният/-ната Заличени лични данни - чл.2, ал.1 от ЗЗЛД

в качеството си на управител (длъжност) на БИОПЛАСТ ЕООД

(наименование на участника или на дружество – член на обединение / консорциум - участник в процедурата)

ЕИК 200797338, със седалище и адрес на управление гр.София,жк.Слатина,ул.Мъдрен №16,ет.4,ап.13,

- участник в процедура за възлагане на обществена поръчка с предмет: «Доставка на материали /реактиви/ и консумативи по обособени позиции», обявена от ИБИР – БАН в изпълнение на Договор № BG051PO001-3.3.06 -0059

ДЕКЛАРИРАМ, ЧЕ:

Представяваният от мен участник в процедурата – БИОПЛАСТ ЕООД (наименование на участника):

1. при изпълнението на обществената поръчка няма да използва подизпълнители; (изписва се вярното обстоятелство);

08.08.2014

(дата на подписване)

Декларатор:

Заличен печат - чл.37, ал. 1 от ЗЗК -
търговска тайна;
Заличен подпис - чл.2, ал.1 от ЗЗЛД

(подпис и печат)

Заличени данни - чл.37, ал. 1 от 33К - търговска тайна

уникален регистрационен номер - попълва се от банката
unique registration number - completed by the bank

Клон / Branch

дата на представяне / date of presentation

Адрес / Address

подпис на наредителя (вносителя)
signature of the ordering customer (depositor)

| | | | |
|---|---|---|--|
| Платете на - име на получателя / Pay to - beneficiary's name ИИИ Р. Б. А. Д. | | <input type="checkbox"/> Чуждестранно лице по смисъла на Валутния закон / Non-resident as defined in the Currency Law | |
| IBAN на получателя / IBAN of the beneficiary BG26UNCR36603110013312 | | BIC на банката на получателя / BIC of the beneficiary's bank UNCRBG65 | |
| При банка - име на банката на получателя / With bank - name of the bank of the beneficiary ИИИ Р. Б. А. Д. | | Вид плащане*** / Type of payment*** | |
| ПЛАТЕЖНО НАРЕЖДАНЕ/ВНОСНА БЕЛЕЖКА за плащане от/към бюджета PAYMENT ORDER/DEPOSIT SLIP for payment from/to the budget | | Вид Валута / Currency BGN | Сума / Amount 42140 |
| Сумата словом / The amount in words Четири хиляди и четиринадесет лева | | | |
| Основание за плащане / Details of the payment ПЛАЩАНЕ НА ДАВАТЕЛСТВОТО НА ОБЩЕСТВОТО | | | |
| Още пояснения / Further details НА ИДИД БАН ЗА БУДИЩОТО НА ОБЩЕСТВОТО | | | |
| Вид и номер на документа, по който се плаща* / Type and number of the document that is paid for* | | Дата (ggmmgggg) на документа / Date (ddmmgggg) of the document Д Д М М Г Г Г Г | |
| Период, за който се плаща / Period that is being paid for | От дата (ggmmgggg) / From date (ddmmgggg) | До дата (ggmmgggg) / To date (ddmmgggg) | Д Д М М Г Г Г Г |
| Задължено лице - наименование на юридическото лице или трите имена на физическото лице / Liable person - name of legal entity or full name of individual Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | | <input type="checkbox"/> Чуждестранно лице по смисъла на Валутния закон / Non-resident as defined in the Currency Law | |
| ЕИК / БУАСТАТ на задълженото лице / Unified identity code of the liable person 140100000 | | ЕГН на задълженото лице / ID number of liable person | ЛНЧ на задълженото лице / ID number of foreign liable person |
| Наредител - наименование на юридическото лице или трите имена на физическото лице / Ordering customer - name of the legal entity or full name of the natural person Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | | Наредител - ЕГН/ЕИК / Ordering customer's Personal ID No./UEK 140100000 | |
| IBAN на наредителя / IBAN of the ordering customer Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | | BIC на банката на наредителя / BIC of the ordering customer's bank Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | |
| Плащанна система**** / Payment system**** | | Такси** / Charges** | Дата за изпълнение / Date for execution (ddmmyy) |
| Вносителя - име / Ordering customer's name Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | | Вносител - ЕГН / Depositor's Personal ID No Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | |
| Телефон на вносителя / Depositor's phone number Заличени данни - чл.37, ал. 1 от 33К - търговска тайна | | Банк | Касиер / Teller |
| <p>Уведомен/и съм/сме, че ПИБ АД осигурява на разположение на клиентите в банковите салони и на интернет страницата си на адрес: www.fibank.bg действащите Общи условия за откриване и водене на банкови сметки и за предоставяне на платежни услуги, Предварителната информация при изпълнение на еднократни платежни операции и Тарифата за такси и комисионни, като с подписване на настоящия документ потвърждавам/е, че предварително съм/сме запознат/и с тях и ги приемам/е. Данните и информацията, посочени по-горе, са верни, точни и пълни. / I am/we are aware that FIBank AD ensures at customers' disposal at the bank offices and on its website www.fibank.bg the effective General Terms and Conditions for opening and keeping of bank accounts and providing of payment services, The Prior Information for execution of single payment transactions and the Terms and Conditions, and by signing the present document I/we confirm that I am/we are prior acquainted and agree with them. The data and the information mentioned above are true, accurate and full.</p> | | | |
| * Вид документ: 1 - декларация; 2 - ревизионен акт; 3 - наказателно постановление; 4 - авансова вноса; 5 - партиден номер на имот; 6 - постановление за принудително събиране; 9 - други. | | ** Такси: 001 - за сметка на наредителя; 002 - споделена (гължимите на ПИБ такси се събират от наредителя; гължимите на банката на получателя такси се събират от получателя); 003 - за сметка на получателя. В случай че полето не е попълнено се приема, че таксите са за сметка на наредителя (001). | |
| * Document type: 1 - declaration; 2 - certificate of audit; 3 - penal decree; 4 - advance payment; 5 - batch number of real estate; 6 - enforced collection decree; 9 - others. | | ** Charges: 001 - on the account of the ordering customer; 002 - shared (the charges due to FIBank are paid by the ordering customer and those due to the bank of the beneficiary are paid by the beneficiary); 003 - on the account of the beneficiary. If the field is left blank it is assumed that the fees are on the account of the ordering customer (001) | |
| | | *** Вид плащане - попълва се за сметки на администратори на приходи и на Централния бюджет | |
| | | *** Payment type - should be filled in for accounts of administrators of revenues and of Central Budget | |
| | | **** Плащанна система: RINGS, БИСЕРА | |
| | | **** Payment system: RINGS, BISERA | |