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Goat Anti-PPP2R5E Antibody

Peptide-affinity purified goat antibody

Catalog # AF1858a

Specification

Goat Anti-PPP2R5E Antibody - Product Information

Application	**WB, E**
Primary Accession	Q16537
Other Accession	NP_006237, 5529
Reactivity	**Mouse**
Predicted	**Human, Rat, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**54699**

Goat Anti-PPP2R5E Antibody - Additional Information

Gene ID 5529

Other Names
Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform, PP2A B subunit isoform B'-epsilon, PP2A B subunit isoform B56-epsilon, PP2A B subunit isoform PR61-epsilon, PP2A B subunit isoform R5-epsilon, PPP2R5E

Dilution
WB~~1:1000
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-PPP2R5E Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-PPP2R5E Antibody - Protein Information

Name PPP2R5E

Function

The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment.

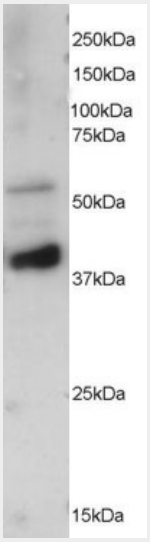
Cellular Location
Cytoplasm.

Goat Anti-PPP2R5E Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-PPP2R5E Antibody - Images



AF1858a staining (0.5 µg/ml) of mouse brain extracts (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

Goat Anti-PPP2R5E Antibody - Background

The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes an epsilon isoform of the regulatory subunit B56 subfamily.

Goat Anti-PPP2R5E Antibody - References

Protein phosphatase 2A subunit gene haplotypes and proliferative breast disease modify breast cancer risk. Dupont WD, et al. Cancer, 2010 Jan 1. PMID 19890961.

Recent natural selection identifies a genetic variant in a regulatory subunit of protein phosphatase 2A that associates with altered cancer risk and survival. Grochola LF, et al. Clin Cancer Res, 2009 Oct 1. PMID 19773383.
A PP2A phosphatase high density interaction network identifies a novel striatin-interacting phosphatase and kinase complex linked to the cerebral cavernous malformation 3 (CCM3) protein. Goudreault M, et al. Mol Cell Proteomics, 2009 Jan. PMID 18782753.
Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.
The tumor suppressor PP2A Abeta regulates the RalA GTPase. Sablina AA, et al. Cell, 2007 Jun 1. PMID 17540176.