

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 might also direct the localization of the catalytic enzyme to a particular subcellular compartment.

Cellular Location

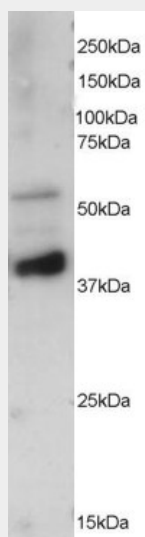
Cytoplasm.

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 Cytometry](#)
- [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 A β regulates the RalA GTPase. Sablina AA, et al. Cell, 2007 Jun 1. PMID 17540176.