

Goat Anti-PPP2R5D Antibody
Peptide-affinity purified goat antibody
Catalog # AF1857a**Specification**

Goat Anti-PPP2R5D Antibody - Product Information

Application	WB, FC, IF
Primary Accession	Q14738
Other Accession	NP_851308 , 5528
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog, Cow
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	69992

Goat Anti-PPP2R5D Antibody - Additional Information**Gene ID** 5528**Other Names**

Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit delta isoform, PP2A B subunit isoform B'-delta, PP2A B subunit isoform B56-delta, PP2A B subunit isoform PR61-delta, PP2A B subunit isoform R5-delta, PPP2R5D

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-PPP2R5D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-PPP2R5D Antibody - Protein Information**Name** PPP2R5D**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. Nucleus. Note=Nuclear in interphase, nuclear during mitosis

Tissue Location

Isoform Delta-2 is widely expressed. Isoform Delta- 1 is highly expressed in brain

Goat Anti-PPP2R5D Antibody - Protocols

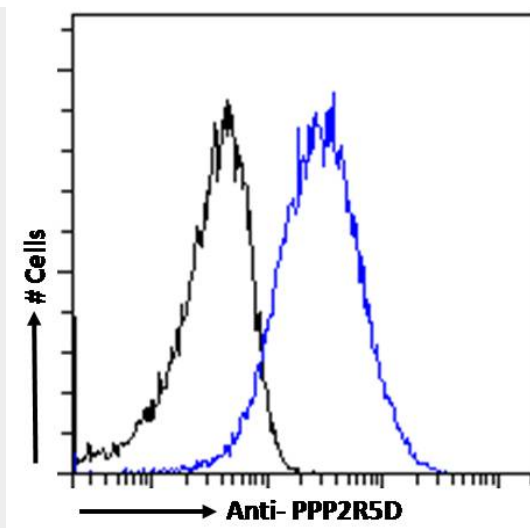
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

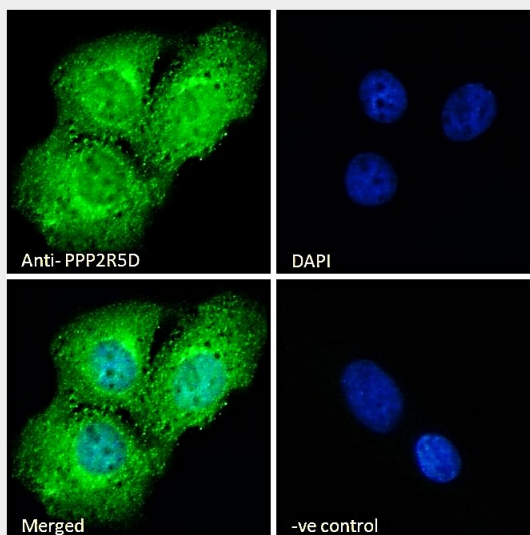
Goat Anti-PPP2R5D Antibody - Images



EB05232 (0.1µg/ml) staining of NIH3T3 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB05232 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) fol



EB05232 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and nuclear staining. The nuclear stai

Goat Anti-PPP2R5D 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 a delta isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified.

Goat Anti-PPP2R5D Antibody - References

Phosphorylation on the PPP2R5D B regulatory subunit modulates the biochemical properties of protein phosphatase 2A. Yu UY, et al. BMB Rep, 2010 Apr. PMID 20423611.
The Balpha and Bdelta regulatory subunits of PP2A are necessary for assembly of the CaMKIV.PP2A

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PP4R4/KIAA1622 forms a novel stable cytosolic complex with phosphoprotein phosphatase 4. Chen GI, et al. J Biol Chem, 2008 Oct 24. PMID 18715871.
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