10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPP2R5D Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19327a

Product Information

Application	WB, E
Primary Accession	Q14738
Other Accession	Q28653, NP_851308.1
Reactivity	Human
Predicted	Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40232
Calculated MW	69992
Antigen Region	63-91

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
Target/Specificity	This PPP2R5D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 63-91 amino acids from the N-terminal region of human PPP2R5D.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PPP2R5D Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PPP2R5D

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. Nucleus. Note=Nuclear in interphase, nuclear during mitosis
Tissue Location	Isoform Delta-2 is widely expressed. Isoform Delta- 1 is highly expressed in brain

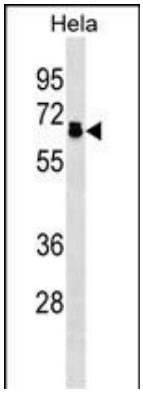
Background

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.

References

Yu, U.Y., et al. BMB Rep 43(4):263-267(2010)
Reece, K.M., et al. Biochem. Biophys. Res. Commun. 386(4):582-587(2009)
Forester, C.M., et al. Proc. Natl. Acad. Sci. U.S.A. 104(50):19867-19872(2007)
Sablina, A.A., et al. Cell 129(5):969-982(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

Images



PPP2R5D Antibody (N-term)(Cat. #AP19327a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the PPP2R5D antibody detected the PPP2R5D protein (arrow).