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

PPP2R5A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14971b

Product Information

Application	WB, E
Primary Accession	Q15172
Other Accession	Q6PD03, NP_006234.1
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34941
Calculated MW	56194
Antigen Region	418-446

Additional Information

Gene ID	5525
Other Names	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform, PP2A B subunit isoform B'-alpha, PP2A B subunit isoform B56-alpha, PP2A B subunit isoform PR61-alpha, PR61alpha, PP2A B subunit isoform R5-alpha, PPP2R5A
Target/Specificity	This PPP2R5A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 418-446 amino acids from the C-terminal region of human PPP2R5A.
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	PPP2R5A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PPP2R5A
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. Chromosome, centromere. Note=From mitotic prophase to metaphase, localizes at the inner centromere between a pair of sister kinetochores. Decreased expression at the onset of anaphase
Tissue Location	Widely expressed with the highest expression in heart and skeletal muscle

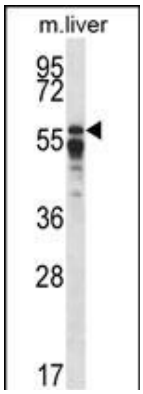
Background

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 alpha isoform of the regulatory subunit B56 subfamily.

References

Flegg, C.P., et al. J. Biol. Chem. 285(24):18144-18154(2010)
Freeman, A.K., et al. Cell Cycle 9(4):736-747(2010)
Reece, K.M., et al. Biochem. Biophys. Res. Commun. 386(4):582-587(2009)
Li, H., et al. Mol. Cell. Biol. 29(3):919-928(2009)
Ruvolo, V.R., et al. J. Biol. Chem. 283(51):35474-35485(2008)

Images



PPP2R5A Antibody (C-term) (Cat. #AP14971b) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the PPP2R5A antibody detected the PPP2R5A protein (arrow).