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

PPP2R5C Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14034b

Specification

PPP2R5C Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q13362
Other Accession	NP_848701.1, NP_848702.1, NP_002710.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**61061**
Antigen Region	**465-494**

PPP2R5C Antibody (C-term) - Additional Information

Gene ID 5527

Other Names
Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform, PP2A B subunit isoform B'-gamma, PP2A B subunit isoform B56-gamma, PP2A B subunit isoform PR61-gamma, PP2A B subunit isoform R5-gamma, Renal carcinoma antigen NY-REN-29, PPP2R5C, KIAA0044

Target/Specificity
This PPP2R5C antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 465-494 amino acids from the C-terminal region of human PPP2R5C.

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
PPP2R5C Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PPP2R5C Antibody (C-term) - Protein Information

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

Name PPP2R5C

Synonyms KIAA0044

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. The PP2A- PPP2R5C holoenzyme may specifically dephosphorylate and activate TP53 and play a role in DNA damage-induced inhibition of cell proliferation. PP2A-PPP2R5C may also regulate the ERK signaling pathway through ERK dephosphorylation.

Cellular Location
Nucleus. Chromosome, centromere.

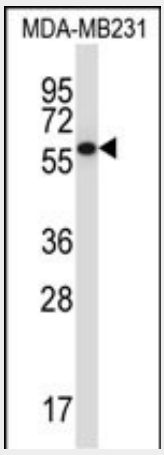
Tissue Location
Highest levels in heart, skeletal muscle and brain. Lower levels in pancreas, kidney, lung and placenta. Very low levels in liver

PPP2R5C Antibody (C-term) - 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

PPP2R5C Antibody (C-term) - Images



PPP2R5C Antibody (C-term) (Cat. #AP14034b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the PPP2R5C antibody detected the PPP2R5C protein (arrow).

PPP2R5C Antibody (C-term) - 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 gamma isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified.

PPP2R5C Antibody (C-term) - References

Anney, R., et al. Hum. Mol. Genet. 19(20):4072-4082(2010)
Lee, T.Y., et al. J. Biol. Chem. 285(28):21567-21580(2010)
Shouse, G.P., et al. Oncogene 29(27):3933-3941(2010)
Tung, H.Y., et al. FEBS Lett. 401 (2-3), 197-201 (1997) :
McCright, B., et al. J. Biol. Chem. 271(36):22081-22089(1996)