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PPP2R5C Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14034b

Product Information

Application	WB, E
Primary Accession	Q13362
Other Accession	NP_848701.1, NP_848702.1, NP_002710.2
Reactivity	Human
Predicted	Rat, Bovine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34068
Calculated MW	61061
Antigen Region	465-494

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.

Protein Information

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

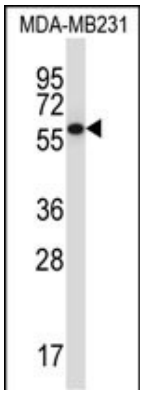
Background

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.

References

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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)

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.