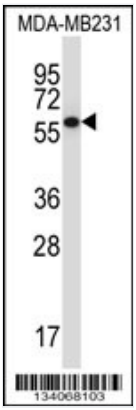
PPP2R5C Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP2R5C, Polyclonal Antibody
Full Product Name	PPP2R5C Antibody (C-term)
Product Gene Name	anti-PPP2R5C antibody
Product Synonym 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
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Concentration	Vial Concentration: 0.5 (lot specific)
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.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	PPP2R5C peptide (MBS9220397) is used for blocking the activity of PPP2R5C antibody (MBS9206381)
Molecular Weight	61061
Immunogen Sequence Positions	465-494
OMIM	601645
3D Structure	ModBase 3D Structure for Q13362
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Product Categories/Family for anti-PPP2R5C antibody	Neuroscience; Signal Transduction
Applications Tested/Suitable for anti-PPP2R5C antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PPP2R5C antibody	WB~~1:1000

Related Product Information for anti-PPP2R5C antibody	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.
Product References and Citations for anti-PPP2R5C antibody	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)
Other Notes	Small volumes of anti-PPP2R5C antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PPP2R5C purchase	MBS9206381 is an antibody targeting PPP2R5C. Also known as PPP2R5C Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PPP2R5C antibody
PPP2R5C Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the PPP2R5C antibody detected the PPP2R5C protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP2R5C. It may not necessarily be applicable to this product.

NCBI GI #	240849353
NCBI GeneID	5527
NCBI Accession #	NP_001155197.1
NCBI Related Accession #	NP_001155198.1; NP_002710.2; NP_848701.1; NP_848702.1
UniProt Primary Accession #	Q13362
UniProt Secondary Accession #	Q14391; Q15060; Q15174; Q6ZN33; B4DYJ8; B5BUA5; F5GWP3
UniProt Related Accession #	Q13362
GenBank Nucleotide #	NM_001161725.1
NCBI Official Full Name	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform isoform e

NCBI Official Synonym Full Names	protein phosphatase 2, regulatory subunit B', gamma
NCBI Official Symbol	PPP2R5C
NCBI Official Synonym Symbols	B56G; PR61G
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform
UniProt Synonym Protein Names	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
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP2R5C
UniProt Synonym Gene Names	KIAA0044
UniProt Entry Name	2A5G_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit gamma isoform
NCBI Summary for PPP2R5C	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. [provided by RefSeq, Jul 2008]
UniProt Comments for PPP2R5C	PPP2R5C: a regulatory subunit of PP2A that might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. PP2A consists of a common heterodimeric core enzyme, composed of a 36 kDa catalytic subunit (subunit C) and a 65 kDa constant regulatory subunit (PR65 or subunit A), that associates with a variety of regulatory subunits. Proteins that associate with the core dimer include three families of regulatory subunits B (the R2/B/PR55/B55, R3/B''/PR72/PR130/PR59 and R5/B'/B56 families), the 48 kDa variable regulatory subunit, viral proteins, and cell signaling molecules.Three alternatively spliced human isoforms have been described. Protein type: Motility/polarity/chemotaxis; Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 14q32.31 Cellular Component: protein phosphatase type 2A complex; nucleus; chromosome, pericentric region Molecular Function: protein binding; protein phosphatase type 2A regulator activity Biological Process: proteasomal ubiquitin-dependent protein catabolic process; negative regulation of cell proliferation; regulation of catalytic activity; signal transduction; DNA damage response, signal transduction by p53 class mediator resulting in induction of apoptosis; DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest
Research Articles on PPP2R5C	**1.** KIF4A and PP2A-B56G and -B56E create a spatially restricted negative feedback loop counteracting Aurora B in anaphase.
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