PPP2R3B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP2R3B, Polyclonal Antibody
Full Product Name	PPP2R3B Rabbit pAb
Product Gene Name	anti-PPP2R3B antibody
Product Synonym Names	PR48; PR70; NYREN8; PPP2R3L; PPP2R3LY
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	80kDa
OMIM	300339
3D Structure	ModBase 3D Structure for Q9Y5P8
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 356-575 of human PPP2R3B (NP_037371.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PPP2R3B antibody	Western Blot (WB)
Application Notes for anti-PPP2R3B antibody	WB: 1:500-1:2000
Related Product Information for anti-PPP2R3B antibody	MBS8547466 is an antibody targeting PPP2R3B. Also known as PPP2R3B Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-PPP2R3B 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP2R3B. It may not necessarily be applicable to this product.

NCBI GI #	33695078
NCBI GeneID	28227
NCBI Accession #	NP_037371.2
UniProt Primary Accession #	Q9Y5P8
UniProt Related Accession #	Q9Y5P8

GenBank Nucleotide #	NP_037371.2
NCBI Official Full Name	serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit beta
NCBI Official Synonym Full Names	protein phosphatase 2 regulatory subunit B''beta
NCBI Official Symbol	PPP2R3B
NCBI Official Synonym Symbols	PR48; PR70; NYREN8; PPP2R3L; PPP2R3LY
UniProt Protein Name	Serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit beta
UniProt Synonym Protein Names	PP2A subunit B isoform PR48; Protein phosphatase 2A 48 kDa regulatory subunit
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP2R3B
UniProt Synonym Gene Names	PPP2R3L
UniProt Entry Name	P2R3B_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 2A regulatory subunit B'' subunit beta
NCBI Summary for PPP2R3B	Protein phosphatase 2 (formerly named type 2A) is one of the four major Ser/Thr phosphatases and is implicated in the negative control of cell growth and division. Protein phosphatase 2 holoenzymes are heterotrimeric proteins composed of a structural subunit A, a catalytic subunit C, and a regulatory subunit B. The regulatory subunit is encoded by a diverse set of genes that have been grouped into the B/PR55, B'/PR61, and B''/PR72 families. These different regulatory subunits confer distinct enzymatic specificities and intracellular localizations to the holozenzyme. The product of this gene belongs to the B'' family. The B'' family has been further divided into subfamilies. The product of this gene belongs to the beta subfamily of regulatory subunit B''. [provided by RefSeq, Apr 2010]
UniProt Comments for PPP2R3B	PPP2R3B: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Protein phosphatase, regulatory subunit; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: Xp22.33; Yp11.3 Cellular Component: nucleoplasm; protein phosphatase type 2A complex; nucleus Molecular Function: protein binding; protein phosphatase type 2A regulator activity; protein serine/threonine phosphatase activity; calcium ion binding; phosphoprotein phosphatase activity Biological Process: regulation of catalytic activity; mitotic cell cycle; protein amino acid dephosphorylation; cell cycle arrest; G1/S transition of mitotic cell cycle
Research Articles on PPP2R3B	**1.** PPP2R3B codes for the PR70 protein, a regulatory substrate-recognizing subunit of protein phosphatase 2A. PR70 decreased melanoma growth by negatively interfering with DNA replication and cell cycle progression through its role in stabilizing CDC6-chromatin licensing and CDT1 interaction
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