PPP2R2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PPP2R2A, Polyclonal Antibody
Full Product Name	PPP2R2A Antibody, HRP conjugated
Product Gene Name	anti-PPP2R2A antibody
Product Synonym Names	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform; PP2A subunit B isoform B55-alpha; PP2A subunit B isoform PR55-alpha; PP2A subunit B isoform R2-alpha; PP2A subunit B isoform alpha; PPP2R2A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: PPP2R2A (MBS7052289) HRP Conjugated Antibody: PPP2R2A (MBS7052290)
Molecular Weight	53,000 Da
OMIM	M64929 mRNA
3D Structure	ModBase 3D Structure for P63151
Immunogen	Recombinant Human Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform protein (2-149AA)
Conjugation	HRP
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, pH 7.4
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PPP2R2A antibody	ELISA (EIA)
Related Product Information for anti-PPP2R2A antibody	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.
Other Notes	Small volumes of anti-PPP2R2A 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 PPP2R2A purchase	MBS7052290 is an antibody targeting PPP2R2A. Also known as PPP2R2A Antibody, HRP conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PPP2R2A. It may not necessarily be applicable to this product.

NCBI GI #	294832006
NCBI GeneID	5520
NCBI Accession #	NP_001171062.1
UniProt Primary Accession #	P63151
UniProt Secondary Accession #	P50409; Q00007; B2RBU8; B4E1T7
UniProt Related Accession #	P63151
GenBank Nucleotide #	NM_001177591.1
NCBI Official Full Name	serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform isoform 2
NCBI Official Synonym Full Names	protein phosphatase 2 regulatory subunit Balpha
NCBI Official Symbol	PPP2R2A
NCBI Official Synonym Symbols	B55A; PR52A; PR55A; B55ALPHA
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform
UniProt Synonym Protein Names	PP2A subunit B isoform B55-alpha; PP2A subunit B isoform PR55-alpha; PP2A subunit B isoform R2-alpha; PP2A subunit B isoform alpha
Protein Family	Serine/threonine-protein phosphatase
UniProt Gene Name	PPP2R2A
NCBI Protein Information	serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform
NCBI Summary for PPP2R2A	The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 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 B55 subfamily. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010]
UniProt Comments for PPP2R2A	PPP2R2A: 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. Found in a complex with at least ARL2, PPP2CB, PPP2R1A, PPP2R2A, PPP2R5E and TBCD. 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. Interacts with TP53. Expressed in all tissues examined. Belongs to the phosphatase 2A regulatory subunit B family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 8p21.2 Cellular Component: cytosol; nucleoplasm; protein phosphatase type 2A complex Molecular Function: protein binding; protein phosphatase regulator activity; protein serine/threonine phosphatase activity Biological Process: developmental process; G2/M transition of mitotic cell cycle; mitotic cell cycle; mitotic nuclear envelope reassembly; mRNA catabolic process, nonsense-mediated decay; protein amino acid dephosphorylation
Research Articles on PPP2R2A	**1.** miR-222 targets protein phosphatase 2A subunit B in bladder cancer cells.

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