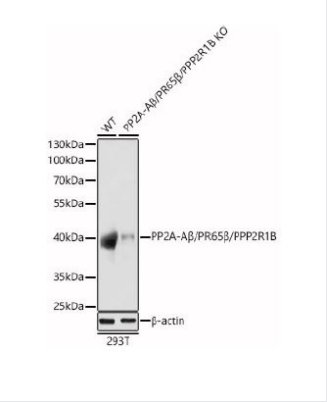
PP2A-ABETA/PR65beta/PPP2R1B Antibody – Rabbit Polyclonal

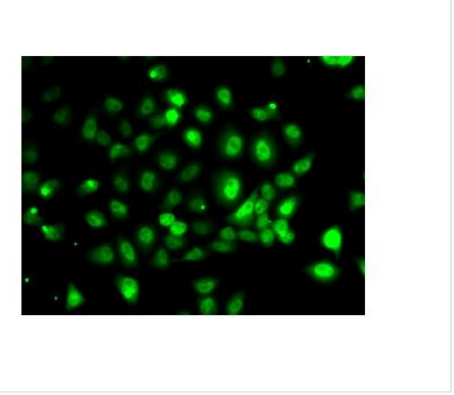
PRODUCT OVERVIEW

Product Name	PP2A-Abeta/PR65beta/PPP2R1B, Polyclonal Antibody
Full Product Name	[KO Validated] PP2A-Abeta/PR65beta/PPP2R1B Rabbit pAb
Product Gene Name	anti-PP2A-Abeta/PR65beta/PPP2R1B antibody
Product Synonym Names	PR65B; PP2A-Abeta
Immunogen Sequence	YAIREAATNN LMKLVQKFGT EWAQNTIVPK VLVMANDPNY LHRMTTLFCI NALSEACGQE ITTKQMLPIV LKMAGDQVAN VRFNVAKSLQ KIGPILDTNA LQGEVKPVLQ KLGQDEDMDV KYFAQEAISV VAQRLRKLEF PVKDSGEPSV PRADKNHFPR PTVPGEDMGK GPVYQLRGDT RDTLAQLGIA ELVHFSQSTD
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack
Molecular Weight	66,214 Da
Chromosome Location	Chromosome: 11; NC_000011.9 (111597632..111637169, complement). Location: 11q23.2
OMIM	603113
3D Structure	ModBase 3D Structure for P30154
Positive Samples	hek293T
Cellular Location	cytoplasm, extracellular exosome
Research Area	Signal Transduction, Kinase, Cell Biology Developmental Biology, Apoptosis, Cell Cycle, Wnt ---Catenin Signaling Pathway
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 468-667 of human PP2A-Abeta/PR65beta/PPP2R1B (NP_859050.1).
Product Categories/Family for anti-PP2A-Abeta/PR65beta/PPP2R1B antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PP2A-Abeta/PR65beta/PPP2R1B antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)
Application Notes for anti-PP2A-Abeta/PR65beta/PPP2R1B antibody	WB: 1:500-1:1000 IF/ICC: 1:50-1:200

Related Product Information for anti-PP2A-Abeta/PR65beta/PPP2R1B antibody	This gene encodes a constant regulatory subunit of protein phosphatase 2. 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 constant regulatory subunit A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. This gene encodes a beta isoform of the constant regulatory subunit A. Mutations in this gene have been associated with some lung and colon cancers. Alternatively spliced transcript variants have been described.
Other Notes	Small volumes of anti-PP2A-Abeta/PR65beta/PPP2R1B 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 PP2A-Abeta/PR65beta/PPP2R1B purchase	MBS9146191 is an antibody targeting PP2A-Abeta/PR65beta/PPP2R1B. Also known as [KO Validated] PP2A-Abeta/PR65beta/PPP2R1B Rabbit pAb. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PP2A-Abeta/PR65beta/PPP2R1B antibody
Western blot analysis of extracts from wild type(WT) and PP2A-Abeta/PR65beta/PPP2R1B knockout (KO) hek293T(KO) cells, using PP2A-Abeta/PR65beta/PPP2R1B antibody (MBS9146191) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunofluorescence (IF) of anti-PP2A-Abeta/PR65beta/PPP2R1B antibody
Immunofluorescence analysis of MCF7 cells using PP2A-Abeta/PR65beta/PP2AAbeta/PR65beta/PPP2R1B antibody (MBS9146191).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PP2A-Abeta/PR65beta/PPP2R1B. It may not necessarily be applicable to this product.

NCBI GI #	294774574
NCBI GeneID	5519
NCBI Accession #	NP_001171033.1
UniProt Primary Accession #	P30154
UniProt Secondary Accession #	O75620; Q8NHV8; B0YJ69; B4DGQ6; B4DWW5; F8W8G1
UniProt Related Accession #	P30154
GenBank Nucleotide #	NM_001177562.1
NCBI Official Full Name	serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform isoform d
NCBI Official Synonym Full Names	protein phosphatase 2, regulatory subunit A, beta
NCBI Official Symbol	PPP2R1B
NCBI Official Synonym Symbols	PR65B; PP2A-Abeta
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
UniProt Synonym Protein Names	PP2A subunit A isoform PR65-beta; PP2A subunit A isoform R1-beta

UniProt Gene Name	PPP2R1B
UniProt Entry Name	2AAB_HUMAN
NCBI Protein Information	serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform; PP2A, subunit A, R1-beta isoform; PP2A, subunit A, PR65-beta isoform; protein phosphatase 2, structural/regulatory subunit A, beta; protein phosphatase 2 (formerly 2A), regu
UniProt Comments for PP2A-Abeta/PR65beta/PPP2R1B	PPP2R1B: The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit. Belongs to the phosphatase 2A regulatory subunit A family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Protein phosphatase, regulatory subunit Chromosomal Location of Human Ortholog: 11q23.2 Cellular Component: lipid raft Molecular Function: protein binding Disease: Lung Cancer
Research Articles on PP2A-Abeta/PR65beta/PPP2R1B	**1.** Data show that the only gene that was expressed, although not at high levels, in all the cells carrying the 11q23.1 amplification was PPP2R1B.
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