

Rabbit PPP2R1B Polyclonal Antibody | anti-PPP2R1B antibody

PPP2R1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325132	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PPP2R1B; Polyclonal Antibody; PPP2R1B Antibody; 2AAB_HUMAN; beta isoform of regulatory subunit A; protein phosphatase 2; PP2A A beta; PP2A subunit A isoform PR65-beta; PP2A subunit A isoform R1-beta; PP2A; subunit A; PR65 beta isoform; R1 beta isoform; PPP4R1; PR65B; protein phosphatase 2 (formerly 2A); regulatory subunit A (PR 65); beta isoform; regulatory subunit A; Protein phosphatase 2; beta; structural/regulatory subunit A; serine/threonine protein phosphatase 2A 65 kDa regulatory subunit A; serine/threonine protein phosphatase 2A; 65 kDa regulatory subunit A; Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform; anti-PPP2R1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPP2R1B antibody detects endogenous levels of total PPP2R1B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	556
Applicable Applications for anti-PPP2R1B antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325132 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA325132 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells using PPP2R1B antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP2R1B antibody	Function: 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. Subunit Structure: 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 IPO9. Interacts with SGO1. Interacts with RAF1. Similarity: Each HEAT repeat appears to consist of two alpha helices joined by a hydrophilic region, the intrarepeat loop. The repeat units may be arranged laterally to form a rod-like structure. Belongs to the phosphatase 2A regulatory subunit A family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	294774574
NCBI GeneID	5519
NCBI Accession #	NP_001171033.1
NCBI GenBank Nucleotide #	NM_001177562.1
UniProt Accession #	P30154; O75620; Q8NHV8; A8MY67; B0YJ69; B4DGQ6; B4DK91; B4DWW5; F8W8G1
Molecular Weight	Observed: 66 kD Predicted: 67 kDa
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 scaffold subunit Abeta
NCBI Official Symbol	PPP2R1B
NCBI Official Synonym Symbols	PR65B; PP2A-Abeta
NCBI Protein Information	serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform
UniProt Gene Name	PPP2R1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.