

Rabbit anti-Human PPP2R5A Polyclonal Antibody | anti-PPP2R5A antibody

Anti-PPP2R5A Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127337	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PPP2R5A; Polyclonal Antibody; Anti-PPP2R5A Antibody Picoband; BCL9 like; B-cell CLL/lymphoma 9-like protein; B-cell lymphoma 9-like protein; BCL9-like protein; Protein BCL9-2; BCL9L; DLNB11; anti-PPP2R5A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in breast, ductal and invasive ductal carcinomas of the breast, sporadic colorectal adenomas and carcinomas (at protein level).Expressed in fetal brain.Expressed in lung, amygdala, eye, prostate, pancreatic and prostate cancers, head and neck tumors and embryonal tumor.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-PPP2R5A antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PPP2R5A recombinant protein (Position: Q50-R441).
Subcellular Localization	Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Transcriptional regulator that acts as an activator. Promotes beta-catenin transcriptional activity. Plays a role in tumorigenesis. Enhances the neoplastic transforming activity of CTNNB1.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IF (Immunofluorescence)

Figure 2. IF analysis of PPP2R5A using anti-PPP2R5A antibody (AAA127337) and anti-Beta Tubulin antibody (M01857-3).PPP2R5A was detected in immunocytochemical section of A549 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-PPP2R5A Antibody (AAA127337) and mouse anti-Beta Tubulin antibody (M01857-3) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PPP2R5A using anti-PPP2R5A antibody (AAA127337).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PPP2R5A antigen affinity purified polyclonal antibody (#AAA127337) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PPP2R5A at approximately 56 kDa. The expected band size for PPP2R5A is at 56 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP2R5A antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-PPP2R5A antibody	Primary Antibodies; Cell Biology; Cell Cycle; Cell Differentiation; G Protein Signaling; Regulators; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. McCright, B., Brothman, A. R., Virshup, D. M. Assignment of human protein phosphatase 2A regulatory subunit genes B56-alpha, B56-beta, B56-gamma, B56-delta, and B56-epsilon (PPP2R5A--PPP2R5E), highly expressed in muscle and brain, to chromosome regions 1q41, 11q12, 3p21, 6p21.1, and 7p11.2-to-p12. Genomics 36: 168-170, 1996. 2. McCright, B., Rivers, A. M., Audlin, S., Virshup, D. M. The B56 family of protein phosphatase 2A (PP2A) regulatory subunits encodes differentiation-induced phosphoproteins that target PP2A to both nucleus and cytoplasm. J. Biol. Chem. 271: 22081-22089, 1996.3. McCright, B., Virshup, D. M. Identification of a new family of protein phosphatase 2A regulatory subunits. J. Biol. Chem. 270: 26123-26128, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	315113860
NCBI GeneID	5525
NCBI Accession #	NP_001186685.1
NCBI GenBank Nucleotide #	NM_001199756.1
UniProt Accession #	Q15172; Q2NL72; Q5VVB2; Q8TB19; B2R6D2; B7Z7L2; D3DT99
Molecular Weight	56,194 Da
NCBI Official Full Name	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform isoform 2
NCBI Official Synonym Full Names	protein phosphatase 2, regulatory subunit B', alpha
NCBI Official Symbol	PPP2R5A
NCBI Official Synonym Symbols	B56A; PR61A
NCBI Protein Information	serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform; PR61alpha; PP2A B subunit isoform B'-alpha; PP2A B subunit isoform R5-alpha; PP2A B subunit isoform B56-alpha; PP2A B subunit isoform PR61-alpha; PP2A, B subunit, B' alpha is
UniProt Protein Name	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit alpha isoform
UniProt Gene Name	PPP2R5A

UniProt Synonym Gene Names	PR61alpha
UniProt Entry Name	2A5A_HUMAN

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.

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