

Rabbit anti-Human PPP2R3A Polyclonal Antibody | anti-PPP2R3A antibody

Anti-PPP2R3A Antibody Picoband

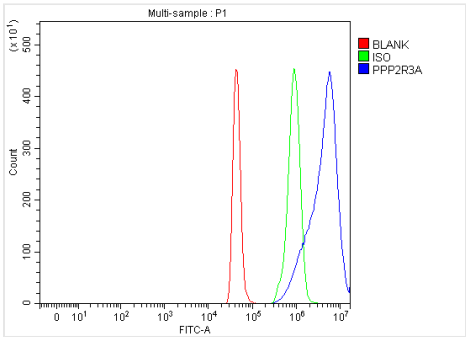
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127725	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

PPP2R3A; Polyclonal Antibody; Anti-PPP2R3A Antibody Picoband; eva-1 homolog A; regulator of programmed cell death; Protein eva-1 homolog A; Protein FAM176A; Transmembrane protein 166; EVA1A; FAM176A; TMEM166; SP24; anti-PPP2R3A antibody

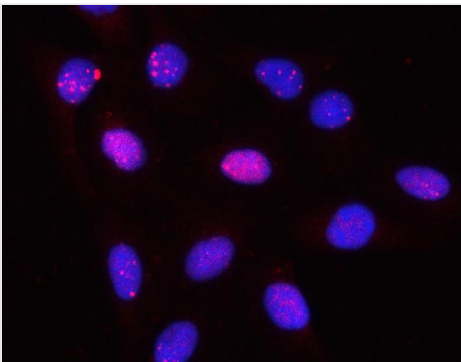
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in lung, kidney, liver, pancreas, placenta, but not in heart and skeletal muscle.
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-PPP2R3A antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human PPP2R3A recombinant protein (Position: M1-E1150).
Subcellular Localization	Endoplasmic reticulum membrane, Single-pass membrane protein, Lysosome membrane
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	Acts as a regulator of programmed cell death, mediating both autophagy and apoptosis.
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.



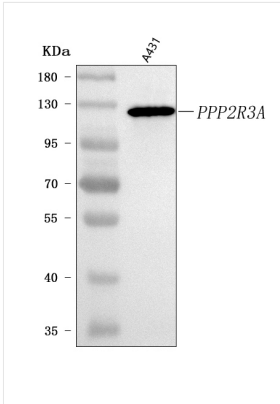
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SH-SY5Y cells using anti-PPP2R3A antibody (AAA127725).Overlay histogram showing SH-SY5Y cells stained with AAA127725 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PPP2R3A Antibody (AAA127725, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of PPP2R3A using anti-PPP2R3A antibody (AAA127725).PPP2R3A was detected in an immunocytochemical section of U2OS cells. 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-PPP2R3A Antibody (AAA127725) overnight at 4 degree C. DyLight550 Conjugated Goat Anti-Rabbit IgG (BA1135) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of PPP2R3A using anti-PPP2R3A antibody (AAA127725).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 A431 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-PPP2R3A antigen affinity purified polyclonal antibody (#AAA127725) at 0.25ug/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 PPP2R3A at approximately 128 kDa. The expected band size for PPP2R3A is at 48,61,130 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP2R3A 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-PPP2R3A antibody	Primary Antibodies; Cell Biology; Proteasome/Ubiquitin; Proteolysis/Ubiquitin; Ubiquitin E3 Enzymes
References	1. Hendrix, P., Mayer-Jaekel, R. E., Cron, P., Goris, J., Hofsteenge, J., Merlevede, W., Hemmings, B. A. Structure and expression of a 72-kDa regulatory subunit of protein phosphatase 2A: evidence for different size forms produced by alternative splicing. J. Biol. Chem. 268: 15267-15276, 1993.

NCBI AND UNIPROT INFORMATION

NCBI GI #	543720
NCBI GeneID	5523
UniProt Accession #	Q06190; Q06189; Q9NPQ5; A8KAE7; B4DNU1; B7ZAE3
Molecular Weight	1150
NCBI Official Full Name	Serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha
NCBI Official Synonym Full Names	protein phosphatase 2, regulatory subunit B", alpha
NCBI Official Symbol	PPP2R3A
NCBI Official Synonym Symbols	PR72; PR130; PPP2R3
NCBI Protein Information	serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha; PP2A, subunit B, R3 isoform; PP2A subunit B isoforms B72/B130; serine/threonine-protein phosphatase 2A 72/130 kDa regulatory subunit B; protein phosphatase 2 (formerly 2A), regu
UniProt Protein Name	Serine/threonine-protein phosphatase 2A regulatory subunit B" subunit alpha
UniProt Gene Name	PPP2R3A
UniProt Synonym Gene Names	PPP2R3
UniProt Entry Name	P2R3A_HUMAN

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AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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