

Rabbit anti-Human PPP1R37 Polyclonal Antibody | anti-PPP1R37 antibody

Anti-PPP1R37 Antibody Picoband

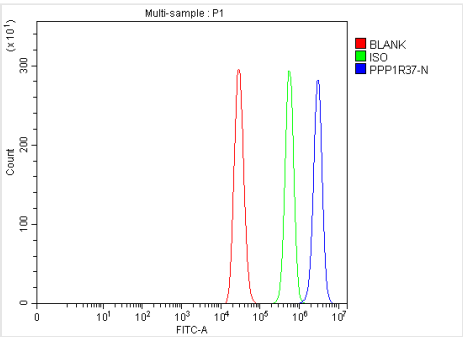
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127835	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

PPP1R37; Polyclonal Antibody; Anti-PPP1R37 Antibody Picoband; anti-PPP1R37 antibody

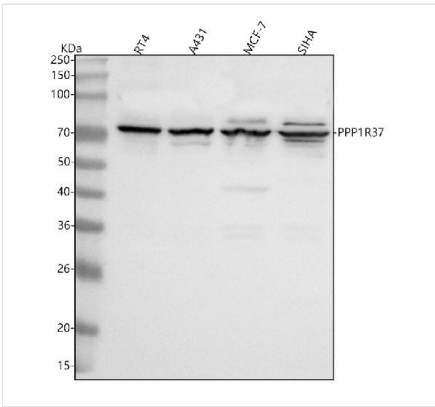
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
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-PPP1R37 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human PPP1R37 recombinant protein (Position: R66-R390). Human PPP1R37 shares 97.5% and 97.2% amino acid (aa) sequence identity with mouse and rat PPP1R37, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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 2. Flow Cytometry analysis of MCF-7 cells using anti-PPP1R37 antibody (AAA127835). Overlay histogram showing MCF-7 cells stained with AAA127835 (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-PPP1R37 Antibody (AAA127835, 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.



WB (Western Blot)

Figure 1. Western blot analysis of PPP1R37 using anti-PPP1R37 antibody (AAA127835). 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 RT4 whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human SiHa 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-PPP1R37 antigen affinity purified polyclonal antibody (#AAA127835) 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 PPP1R37 at approximately 75 kDa. The expected band size for PPP1R37 is at 78 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R37 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-PPP1R37 antibody	Primary Antibodies
References	1. Miyashita, A., Koike, A., Jun, G., Wang, L. S., Takahashi, S., Matsubara, E., ... & Kuwano, R. (2013). SORL1 is genetically associated with late-onset Alzheimer's disease in Japanese, Koreans and Caucasians. PloS one, 8(4), e58618. 2. Nagase, T., Kikuno, R., & Ohara, O. (2001). Prediction of the coding sequences of unidentified human genes. XXII. The complete sequences of 50 new cDNA clones which code for large proteins. DNA research, 8(6), 319-327. 3. Hendrickx, A., Beullens, M., Ceulemans, H., Den Abt, T., Van Eynde, A., Nicolaescu, E., ... & Bollen, M. (2009). Docking motif-guided mapping of the interactome of protein phosphatase-1. Chemistry & biology, 16(4), 365-371.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27370660
NCBI GeneID	284352
UniProt Accession #	O75864; Q8IWK3; Q8TF16; B5MDA4
Molecular Weight	74,767 Da
NCBI Official Full Name	LRRC68 protein
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory subunit 37
NCBI Official Symbol	PPP1R37
NCBI Official Synonym Symbols	LRRC68

NCBI Protein Information	protein phosphatase 1 regulatory subunit 37; leucine rich repeat containing 68; leucine-rich repeat-containing protein 68
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 37
UniProt Gene Name	PPP1R37
UniProt Synonym Gene Names	KIAA1986; LRRC68
UniProt Entry Name	PPR37_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.

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

Online datasheet: <https://www.aaabiotech.com/polyclonal/ppp1r37-antibody-western-blot-flow-cytometry-elisa/127835>