

Rabbit anti-Human PPP1R16A Polyclonal Antibody | anti-PPP1R16A antibody

Anti-PPP1R16A Antibody Picoband

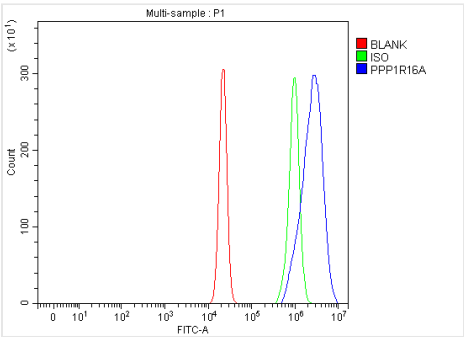
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127844	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PPP1R16A; Polyclonal Antibody; Anti-PPP1R16A Antibody Picoband; anti-PPP1R16A antibody

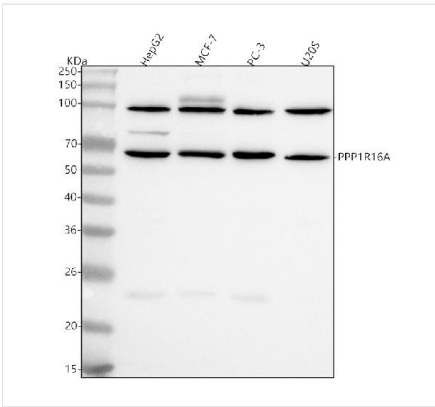
PRODUCT SPECIFICATIONS

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-PPP1R16A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PPP1R16A recombinant protein (Position: R55-M528). Human PPP1R16A shares 81.2% amino acid (aa) sequence identity with mouse PPP1R16A.
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 U2OS cells using anti-PPP1R16A antibody (AAA127844).Overlay histogram showing U2OS cells stained with AAA127844 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PPP1R16A Antibody (AAA127844, 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 PPP1R16A using anti-PPP1R16A antibody (AAA127844).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 HepG2 whole cell lysates,Lane 2: human MCF-7 whole cell lysates,Lane 3: human PC-3 whole cell lysates,Lane 4: human U2OS 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-PPP1R16A antigen affinity purified polyclonal antibody (#AAA127844) 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 PPP1R16A at approximately 69 kDa. The expected band size for PPP1R16A is at 58 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R16A 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-PPP1R16A antibody	Primary Antibodies
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 2/17/2015.2. Ruan, Y., Cheng, M., Ou, Y., Oko, R., van der Hoorn, F. A. Ornithine decarboxylase antizyme Oaz3 modulates protein phosphatase activity. J. Biol. Chem. 286: 29417-29427, 2011. 3. Skinner, J. A., Saltiel, A. R. Cloning and identification of MYPT3: a prenylatable myosin targetting (sic) subunit of protein phosphatase 1. Biochem. J. 356: 257-267, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14249672
NCBI GeneID	84988
NCBI Accession #	NP_116291.1
NCBI GenBank Nucleotide #	NM_032902.5
UniProt Accession #	Q96I34; D3DWM5
Molecular Weight	57,811 Da
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 16A
NCBI Official Synonym Full Names	protein phosphatase 1, regulatory subunit 16A
NCBI Official Symbol	PPP1R16A
NCBI Official Synonym Symbols	MYPT3

NCBI Protein Information	protein phosphatase 1 regulatory subunit 16A; myosin phosphatase-targeting subunit 3; protein phosphatase 1, regulatory (inhibitor) subunit 16A; likely ortholog of mouse myosin phosphatase targeting subunit 3
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 16A
UniProt Gene Name	PPP1R16A
UniProt Synonym Gene Names	MYPT3
UniProt Entry Name	PP16A_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/ppp1r16a-antibody-flow-cytometry-western-blot-elisa/127844>