

Rabbit PPP1R11 Polyclonal Antibody | anti-PPP1R11 antibody

Anti-PPP1R11 Antibody Picoband

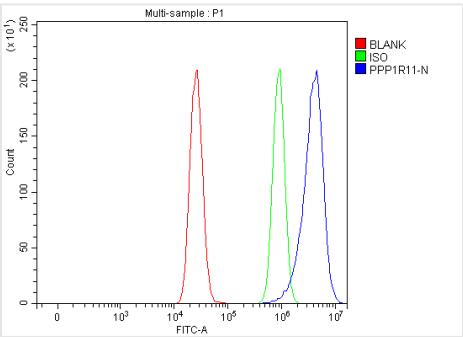
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127655	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PPP1R11; Polyclonal Antibody; Anti-PPP1R11 Antibody Picoband; Protein NDRG3; ring finger protein 169; E3 ubiquitin-protein ligase RNF169; RING finger protein 169; RING-type E3 ubiquitin transferase RNF169; RNF169; KIAA1991; anti-PPP1R11 antibody

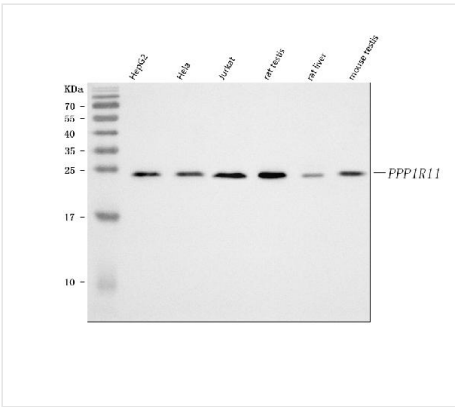
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in immature but not mature T-cells. Also found in CD34+ cells from peripheral blood, CD34+ precursors from umbilical cord blood and adult bone marrow.
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-PPP1R11 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human PPP1R11 recombinant protein (Position: M1-H126).
Subcellular Localization	Nucleoplasm
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	Probable E3 ubiquitin-protein ligase that acts as a negative regulator of double-strand breaks (DSBs) repair following DNA damage. Recruited to DSB repair sites by recognizing and binding ubiquitin catalyzed by RNF168 and competes with TP53BP1 and BRCA1 for association with RNF168-modified chromatin, thereby acting as a negative regulator of DSBs repair. E3 ubiquitin-protein ligase activity is not required for regulation of DSBs repair.
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-PPP1R11 antibody (AAA127655). Overlay histogram showing MCF-7 cells stained with AAA127655 (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-PPP1R11 Antibody (AAA127655, 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 PPP1R11 using anti-PPP1R11 antibody (AAA127655). 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 Hela whole cell lysates, Lane 3: human Jurkat whole cell lysates, Lane 4: rat testis tissue lysates, Lane 5: rat liver tissue lysates, Lane 6: mouse testis tissue 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-PPP1R11 antigen affinity purified polyclonal antibody (#AAA127655) 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 PPP1R11 at approximately 25 kDa. The expected band size for PPP1R11 is at 14,18,25-30 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-PPP1R11 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-PPP1R11 antibody	Primary Antibodies; Hematopoietic Progenitors; Lymphoid; Stem Cells; T Lymphocytic Lineage
References	1. Amadou, C., Ribouchon, M. T., Mattei, M. G., Jenkins, N. A., Gilbert, D. J., Copeland, N. G., Avoustin, P., Pontarotti, P. Localization of new genes and markers to the distal part of the human major histocompatibility complex (MHC) region and comparison with the mouse: new insights into the evolution of mammalian genomes. Genomics 26: 9-20, 1995.2. el Kahloun, A., Chauvel, B., Mauvieux, V., Dorval, I., Jouanolle, A.-M., Gicquel, I., Le Gall, J.-Y., David, V. Localization of seven new genes around the HLA-A locus. Hum. Molec. Genet. 2: 55-60, 1993. 3. Giffon, T., Lepourcelet, M., Pichon, L., Jezequel, P., Bouric, P., Carn, G., Pontarotti, P., Le Gall, J.-Y., David, V. Cloning of a human homologue of the mouse Tctex-5 gene within the MHC class I region. Immunogenetics 44: 331-339, 1996.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11386175
NCBI GeneID	6992
NCBI Accession #	NP_068778.1
NCBI GenBank Nucleotide #	NM_021959.2
UniProt Accession #	O60927
Molecular Weight	13,953 Da
NCBI Official Full Name	protein phosphatase 1 regulatory subunit 11

NCBI Official Synonym Full Names	protein phosphatase 1, regulatory (inhibitor) subunit 11
NCBI Official Symbol	PPP1R11
NCBI Official Synonym Symbols	HCGV; IPP3; HCG-V; TCTE5; TCTEX5
NCBI Protein Information	protein phosphatase 1 regulatory subunit 11; HCG V; hemochromatosis candidate gene V protein; inhibitor-3; protein phosphatase 1, regulatory (inhibitor) subunit 11, isoform 1; protein phosphatase inhibitor 3; t-complex-associated-testis-expressed 5
UniProt Protein Name	Protein phosphatase 1 regulatory subunit 11
UniProt Gene Name	PPP1R11
UniProt Synonym Gene Names	HCGV; TCTE5; HCG V
UniProt Entry Name	PP1RB_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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Online datasheet: <https://www.aaabiotech.com/polyclonal/ppp1r11-antibody-flow-cytometry-western-blot-elisa/127655>