

Rabbit anti-Human, Mouse RPAIN Polyclonal Antibody | anti-RPAIN antibody

Anti-RPAIN Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127711	Rabbit	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

RPAIN; Polyclonal Antibody; Anti-RPAIN Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; IL17b; Nirf; Zcyto7; anti-RPAIN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
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-RPAIN antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human RPAIN recombinant protein (Position: N70-D213).
Subcellular Localization	Secreted
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	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
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 RT4 cells using anti-RPAIN antibody (AAA127711).Overlay histogram showing RT4 cells stained with AAA127711 (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-RPAIN Antibody (AAA127711, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of RPAIN using anti-RPAIN antibody (AAA127711).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 A375 whole cell lysates,Lane 2: human SH-SY5Y whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human MOLT-4 whole cell lysates,Lane 5: mouse ovary 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-RPAIN antigen affinity purified polyclonal antibody (#AAA127711) 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 RPAIN at approximately 35 kDa. The expected band size for RPAIN is at 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RPAIN 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-RPAIN antibody	Primary Antibodies ; Cytokines ; Immunology ; Innate Immunity ; Interleukins
References	1. Chen, J.-Z., Huang, S.-D., Ji, C.-N., Pang, R.-Y., Xie, Y., Xue, J.-L. Identification, expression pattern, and subcellular location of human RIP isoforms. DNA Cell Biol. 24: 464-469, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	237858695
NCBI GeneID	84268
NCBI Accession #	NP_001028174.2
NCBI GenBank Nucleotide #	NM_001033002.3
UniProt Accession #	Q86UA6; Q4G2Y0; Q4G2Y5; Q4G2Y8; Q6B4V9; Q6B4W0; Q6B4W1; Q6B4W4; B4DI36; B4DTX7; E9PES3; J3KNH8
Molecular Weight	17,118 Da
NCBI Official Full Name	RPA-interacting protein isoform b
NCBI Official Synonym Full Names	RPA interacting protein
NCBI Official Symbol	RPAIN
NCBI Official Synonym Symbols	RIP; HRIP
NCBI Protein Information	RPA-interacting protein; RAP interaction protein; nuclear transporter
UniProt Protein Name	RPA-interacting protein
UniProt Gene Name	RPAIN
UniProt Synonym Gene Names	RIP; hRIP
UniProt Entry Name	RIP_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://stage.aaabiotech.com/polyclonal/rpain-antibody-flow-cytometry-western-blot-elisa/127711>