

Rabbit anti-Human RRP1B Polyclonal Antibody | anti-RRP1B antibody

Anti-RRP1B Antibody Picoband

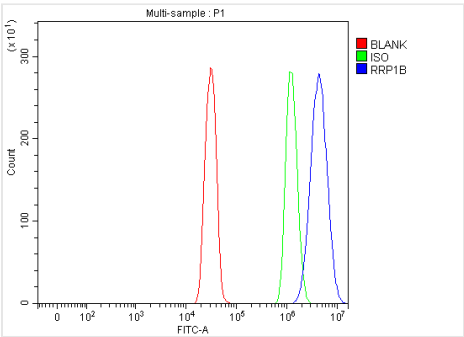
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127505	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

RRP1B; Polyclonal Antibody; Anti-RRP1B Antibody Picoband; Chromaffin granule amine transporter; DEAH-box helicase 15; Pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15; ATP-dependent RNA helicase #46; DEAH box protein 15; DHX15; DBP1; DDX15; anti-RRP1B antibody

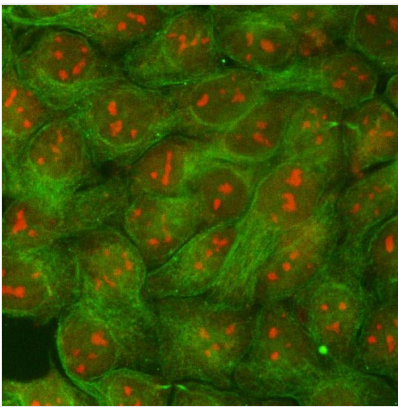
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Ubiquitous.
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-RRP1B antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human RRP1B recombinant protein (Position: E20-K727).
Subcellular Localization	Postsynaptic density, Cytoskeleton, Cytoplasm, Axon, Dendrite, Synapse
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	Pre-mRNA processing factor involved in disassembly of spliceosomes after the release of mature mRNA. In cooperation with TFIP11 seem to be involved in the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient debranching and turnover of excised introns.
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.



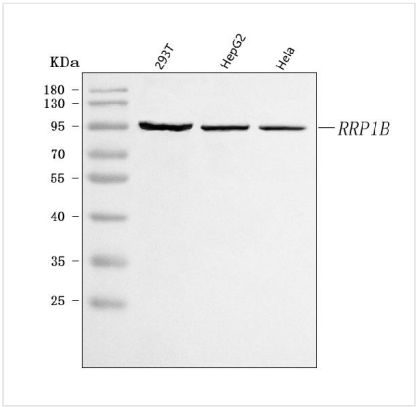
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of SiHa cells using anti-RRP1B antibody (AAA127505).Overlay histogram showing SiHa cells stained with AAA127505 (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-RRP1B Antibody (AAA127505, 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.



IF (Immunofluorescence)

Figure 2. IF analysis of RRP1B and Tubulin beta using anti-RRP1B antibody (AAA127505) and anti-Tubulin beta antibody (M05613-4).RRP1B and Tubulin beta was detected in an immunocytochemical section of MCF-7 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-RRP1B Antibody (AAA127505) and mouse anti-Tubulin beta Antibody (M05613-4) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) and DyLight488 Conjugated Goat Anti-Mouse IgG (BA1126) were used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of RRP1B using anti-RRP1B antibody (AAA127505).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 293T whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human Hela 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-RRP1B antigen affinity purified polyclonal antibody (#AAA127505) 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 RRP1B at approximately 95 kDa. The expected band size for RRP1B is at 84 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RRP1B 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-RRP1B antibody	Primary Antibodies; Co-Factors; Epigenetics and Nuclear Signaling; Mediator Complex; Pol II Transcription; Polymerase Associated Factors; Transcription

References	1. Chamousset, D., De Wever, V., Moorhead, G. B., Chen, Y., Boisvert, F.-M., Lamond, A. I., Trinkle-Mulcahy, L. RRP1B targets PP1 to mammalian cell nucleoli and is associated with pre-60S ribosomal subunits. <i>Molec. Biol. Cell</i> 21: 4212-4226, 2010. 2. Jansen, E., Meulemans, S. M. P., Orlans, I. C. R., Van de Ven, W. J. M. The NNP-1 gene (D21S2056E), which encodes a novel nuclear protein, maps in close proximity to the cystatin B gene within the EPM1 and APECED critical region on 21q22.3. <i>Genomics</i> 42: 336-341, 1997.3. Nagase, T., Seki, N., Ishikawa, K., Tanaka, A., Nomura, N. Prediction of the coding sequences of unidentified human genes. V. The coding sequences of 40 new genes (KIAA0161-KIAA0200) deduced by analysis of cDNA clones from human cell line KG-1. <i>DNA Res.</i> 3: 17-24, 1996.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	57863269
NCBI GeneID	23076
NCBI Accession #	NP_055871.1
NCBI GenBank Nucleotide #	NM_015056.2
UniProt Accession #	Q14684; Q8TBZ4
Molecular Weight	84,428 Da
NCBI Official Full Name	ribosomal RNA processing protein 1 homolog B
NCBI Official Synonym Full Names	ribosomal RNA processing 1B
NCBI Official Symbol	RRP1B
NCBI Official Synonym Symbols	Nnp1; RRP1; NNP1L; KIAA0179; PPP1R136
NCBI Protein Information	ribosomal RNA processing protein 1 homolog B; RRP1-like protein B; ribosomal RNA processing 1 homolog B; protein phosphatase 1, regulatory subunit 136
UniProt Protein Name	Ribosomal RNA processing protein 1 homolog B
UniProt Gene Name	RRP1B
UniProt Synonym Gene Names	KIAA0179
UniProt Entry Name	RRP1B_HUMAN

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Online datasheet: <https://www.aaabiotech.com/polyclonal/rrp1b-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127505>