

Rabbit anti-Human RPS13 Polyclonal Antibody | anti-RPS13 antibody

Anti-RPS13 Antibody Picoband

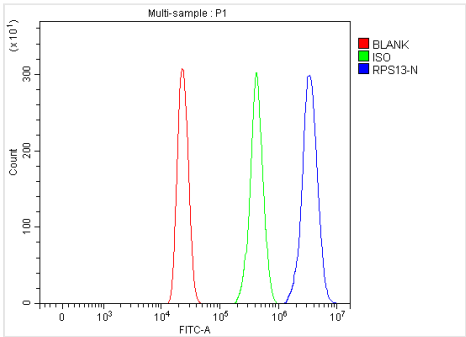
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127351	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RPS13; Polyclonal Antibody; Anti-RPS13 Antibody Picoband; AP-2 complex subunit mu; ELAV like RNA binding protein 2; ELAV-like protein 2; ELAV-like neuronal protein 1; Hu-antigen B; HuB; Nervous system-specific RNA-binding protein Hel-N1; ELAVL2; HUB; anti-RPS13 antibody

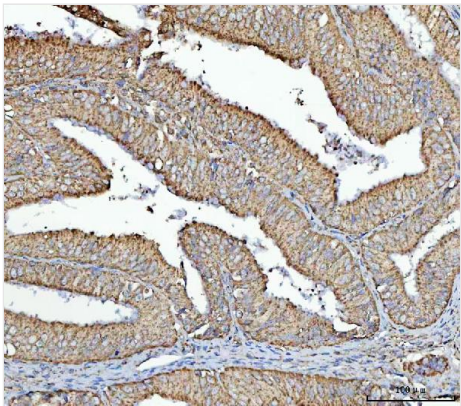
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Brain; neural-specific.
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-RPS13 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human RPS13 recombinant protein (Position: M1-A151).
Subcellular Localization	Cytoplasm, Nucleus, Cytoplasm
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	Binds RNA. Seems to recognize a GAAA motif. Can bind to its own 3'-UTR, the FOS 3'-UTR and the ID 3'-UTR.
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.



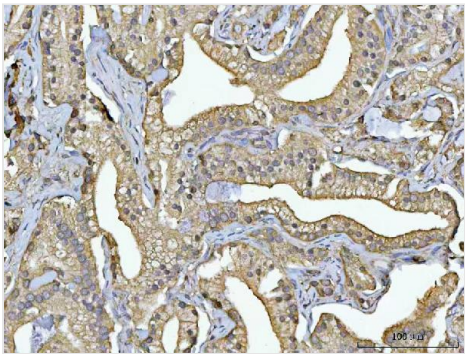
FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of HL-60 cells using anti-RPS13 antibody (AAA127351).Overlay histogram showing HL-60 cells stained with AAA127351 (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-RPS13 Antibody (AAA127351, 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.



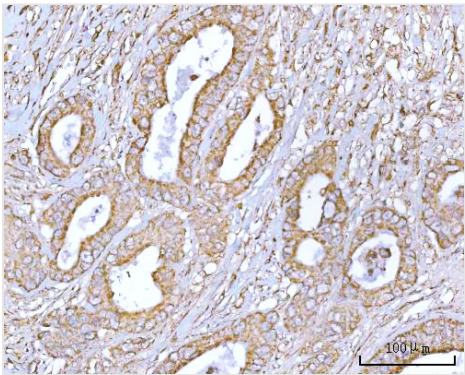
IHC (Immunohistochemisry)

Figure 3. IHC analysis of RPS13 using anti-RPS13 antibody (AAA127351).RPS13 was detected in a paraffin-embedded section of human endometrial carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPS13 Antibody (AAA127351) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



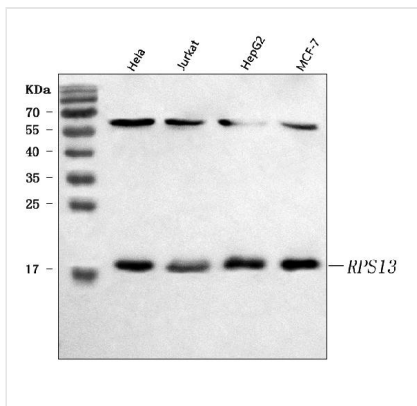
IHC (Immunohistochemistry)

Figure 4. IHC analysis of RPS13 using anti-RPS13 antibody (AAA127351).RPS13 was detected in a paraffin-embedded section of human prostate cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPS13 Antibody (AAA127351) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of RPS13 using anti-RPS13 antibody (AAA127351).RPS13 was detected in a paraffin-embedded section of human colon adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPS13 Antibody (AAA127351) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of RPS13 using anti-RPS13 antibody (AAA127351). 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 Hela whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human HepG2 whole cell lysates, Lane 4: human MCF-7 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-RPS13 antigen affinity purified polyclonal antibody (#AAA127351) 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 RPS13 at approximately 17 kDa. The expected band size for RPS13 is at 17 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS13 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-RPS13 antibody	Primary Antibodies ; DNA/RNA ; Epigenetics and Nuclear Signaling ; RNA Processing
References	1. Caldwell, G. M., Eddy, R. L., Day, C. D., Haley, L. H., Cooper, P. R., Sait, S. S. J., Hejtmancik, F., Smith, R. J. H., Morton, C. C., Higgins, M. J., Shows, T. B. Mapping of genes and transcribed sequences in a gene rich 400-kb region on human chromosome 11p15.1-p14. Cytogenet. Cell Genet. 92: 103-107, 2001. 2. Chadeneau, C., LeMoullac, B., Denis, M. G. Cloning and analysis of the human S13 ribosomal protein cDNA. Nucleic Acids Res. 21: 2945 only, 1993. 3. Kenmochi, N., Kawaguchi, T., Rozen, S., Davis, E., Goodman, N., Hudson, T. J., Tanaka, T., Page, D. C. A map of 75 human ribosomal protein genes. Genome Res. 8: 509-523, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506685
NCBI GeneID	6207
NCBI Accession #	NP_001008.1
NCBI GenBank Nucleotide #	NM_001017.2
UniProt Accession #	P62277 ; P19116 ; Q02546 ; Q29200 ; Q498Y0 ; B2R549
Molecular Weight	17,222 Da
NCBI Official Full Name	40S ribosomal protein S13
NCBI Official Synonym Full Names	ribosomal protein S13
NCBI Official Symbol	RPS13
NCBI Official Synonym Symbols	S13

NCBI Protein Information	40S ribosomal protein S13
UniProt Protein Name	40S ribosomal protein S13
UniProt Gene Name	RPS13
UniProt Entry Name	RS13_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://stage.aaabiotech.com/polyclonal/rps13-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/127351>