

Rabbit RPL11 Polyclonal Antibody | anti-RPL11 antibody

Anti-RPL11 Antibody Picoband

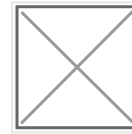
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19783	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

RPL11; Polyclonal Antibody; Anti-RPL11 Antibody Picoband; A disintegrin and metalloproteinase with thrombospondin motifs 4; Exportin-5; Exp5; Ran-binding protein 21; XPO5; KIAA1291; RANBP21; anti-RPL11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in heart, brain, placenta, lung, skeletal muscle, kidney and pancreas.
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-RPL11 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Application Notes	WB: 0.25-0.5ug/ml, Human, Mouse IHC(Paraffin-embedded Section): 2-5ug/ml, Human, Mouse, Rat ICC/IF: 5ug/ml, Human FC/FACS (Fixed): 1-3ug/1x10 ⁶ cells, Human ELISA: 0.1-0.5ug/ml
Immunogen	E coli-derived human RPL11 recombinant protein (Position: E7-K178).
Subcellular Localization	Nucleus, Cytoplasm, Shuttles between the nucleus and the 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	Mediates the nuclear export of proteins bearing a double-stranded RNA binding domain (dsRBD) and double-stranded RNAs (cargos). XPO5 in the nucleus binds cooperatively to the RNA and to the GTPase Ran in its active GTP-bound form. Proteins containing dsRBDs can associate with this trimeric complex through the RNA. Docking of this complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of a nuclear export complex into the cytoplasm, hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause disassembly of the complex and release of the cargo from the export receptor. XPO5 then returns to the nuclear compartment by diffusion through the nuclear pore complex, to mediate another round of transport. The ionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Overexpression may in some circumstances enhance RNA-mediated gene silencing (RNAi). Mediates nuclear export of isoform 5 of ADAR/ADAR1 in a RanGTP-dependent manner.
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.



IF (Immunofluorescence)

Figure 5. IF analysis of RPL11 using anti-RPL11 antibody (AAA19783).RPL11 was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPL11 Antibody (AAA19783) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPL11 Antibody (AAA19783) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPL11 Antibody (AAA19783) 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 (epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-RPL11 Antibody (AAA19783) 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 (epitope retrieval solution).

Lane 2: human Jurkat whole cell lysates,Lane 3: human Raji whole cell lysates,Lane 4: human HeLa whole cell lysates,Lane 5: mouse liver tissue lysates,Lane 6: mouse NIH/3T3 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-RPL11 antigen affinity purified polyclonal antibody (#AAA19783) 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 RPL11 at approximately 18 kDa. The expected band size for RPL11 is at 18 kDa.

Related Product Information for anti-RPL11 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-RPL11 antibody	Primary Antibodies ; Cancer ; Cell Biology ; Cytoskeleton/ECM ; ECM Enzymes ; Extracellular Matrix ; Invasion/Microenvironment ; Metalloprotease ; Proteolysis/Ubiquitin ; Proteolytic Enzymes ; Signal Transduction
References	- Boria, I., Garelli, E., Gazda, H. T., Aspesi, A., Quarello, P., Pavesi, E., Ferrante, D., Meerpohl, J. J., Kartal, M., Da Costa, L., Proust, A., Leblanc, T., and 17 others. The ribosomal basis of Diamond-Blackfan anemia: mutation and database update. Hum. Mutat. 31: 1269-1279, 2010. - Dai, M.-S., Shi, D., Jin, Y., Sun, X.-X., Zhang, Y., Grossman, S. R., Lu, H. Regulation of the MDM2-p53 pathway by ribosomal protein L11 involves a post-ubiquitination mechanism. J. Biol. Chem. 281: 24304-24313, 2006. - Ebina, M., Tsuruta, F., Katoh, M. C., Kigoshi, Y., Someya, A., Chiba, T. Myeloma overexpressed 2 (Mycov2) regulates L11 subnuclear localization through Nedd8 modification. PLoS One 8: e65285, 2013.

NCBI GI #	15431290
NCBI GeneID	6135
NCBI Accession #	NP_000966.2
NCBI GenBank Nucleotide #	NM_000975.3
UniProt Accession #	P62913; P25121; P39026; Q8TDH2; Q9Y674
Molecular Weight	20,252 Da
NCBI Official Full Name	60S ribosomal protein L11 isoform 1

NCBI Official Synonym Full Names	ribosomal protein L11
NCBI Official Symbol	RPL11
NCBI Official Synonym Symbols	L11; DBA7; GIG34
NCBI Protein Information	60S ribosomal protein L11; CLL-associated antigen KW-12; cell growth-inhibiting protein 34
UniProt Protein Name	60S ribosomal protein L11
UniProt Gene Name	RPL11
UniProt Entry Name	RL11_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/rpl11-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/19783>