

Rabbit RPL11 Polyclonal Antibody | anti-RPL11 antibody

RPL11 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324379	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

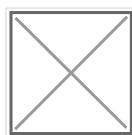
PRODUCT SYNONYMS

RPL11; Polyclonal Antibody; RPL11 Antibody; 60S ribosomal protein L11; Cell growth inhibiting protein 34; Cell growth inhibiting protein34; CLL associated antigen KW 12; CLL associated antigen KW12; CLL-associated antigen KW-12; DBA 7; DBA7; GIG 34; GIG34; L11; Ribosomal protein L11; RL11_HUMAN; RPL 11; Rpl11; anti-RPL11 antibody

PRODUCT SPECIFICATIONS

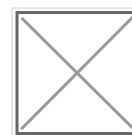
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RPL11 antibody detects endogenous levels of total RPL11
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	178
Applicable Applications for anti-RPL11 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus > Nucleolus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324379 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from K562 cells using RPL11 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RPL11 antibody	Function: Component of the ribosome, a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell. The small ribosomal subunit (SSU) binds messenger RNAs (mRNAs) and translates the encoded message by selecting cognate aminoacyl-transfer RNA (tRNA) molecules. The large subunit (LSU) contains the ribosomal catalytic site termed the peptidyl transferase center (PTC), which catalyzes the formation of peptide bonds, thereby polymerizing the amino acids delivered by tRNAs into a polypeptide chain. The nascent polypeptides leave the ribosome through a tunnel in the LSU and interact with protein factors that function in enzymatic processing, targeting, and the membrane insertion of nascent chains at the exit of the ribosomal tunnel. As part of the 5S RNP/5S ribonucleoprotein particle it is an essential component of the LSU, required for its formation and the maturation of rRNAs (PubMed:19061985, PubMed:12962325, PubMed:24120868). It also couples ribosome biogenesis to p53/TP53 activation. As part of the 5S RNP it accumulates in the nucleoplasm and inhibits MDM2, when ribosome biogenesis is perturbed, mediating the stabilization and the activation of TP53 (PubMed:24120868). Promotes nucleolar location of PML (By similarity). Subunit Structure: Component of the large ribosomal subunit (LSU). Part of a LSU subcomplex, the 5S RNP which is composed of the 5S RNA, RPL5 and RPL11 (PubMed:24120868). Interacts with PML (By similarity). Interacts with MDM2; negatively regulates MDM2-mediated TP53 ubiquitination and degradation (PubMed:24120868). Interacts with NOP53; retains RPL11 into the nucleolus (PubMed:24556985, PubMed:27829214). Similarity: Belongs to the universal ribosomal protein uL5 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15431290
NCBI GeneID	6135
NCBI Accession #	NP_000966.2
NCBI GenBank Nucleotide #	NM_000975.5
UniProt Accession #	P62913; P25121; P39026; Q8TDH2; Q9Y674
Molecular Weight	Observed: 20 kD Predicted: 21 kDa
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; uL5; DBA7; GIG34
NCBI Protein Information	60S ribosomal protein L11
UniProt Protein Name	60S ribosomal protein L11
UniProt Gene Name	RPL11

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/rpl11-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324379>