

Rabbit RPL11 Polyclonal Antibody | anti-RPL11 antibody

RPL11 Antibody (N-term)

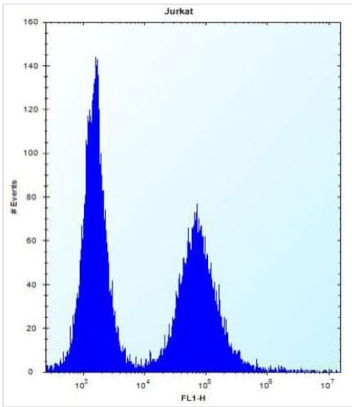
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289877	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

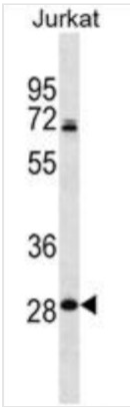
RPL11; Polyclonal Antibody; RPL11 Antibody (N-term); 60S ribosomal protein L11; CLL-associated antigen KW-12; anti-RPL11 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RPL11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human RPL11.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	1-30
Sequence Length	177
Applicable Applications for anti-RPL11 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
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).
Cellular Location	Nucleus, nucleolus. Cytoplasm {ECO:0000250 UniProtKB:Q9CXW4}
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
RPL11 Antibody (N-term) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
RPL11 Antibody (N-term) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the RPL11 antibody detected the RPL11 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RPL11 antibody	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L5P family of ribosomal proteins. It is located in the cytoplasm. The protein probably associates with the 5S rRNA. Alternative splice variants encoding different isoforms may exist, but they have not been fully characterized. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq].
Product Categories/Family for anti-RPL11 antibody	Cancer
References	Sun, X.X., et al. J. Biol. Chem. 285(33):25812-25821(2010) Konno, Y., et al. Haematologica 95(8):1293-1299(2010) Dai, M.S., et al. J. Biol. Chem. 285(17):12587-12594(2010) Holzel, M., et al. J. Biol. Chem. 285(9):6364-6370(2010) Quarello, P., et al. Haematologica 95(2):206-213(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15431290
NCBI GeneID	6135
NCBI Accession #	NP_000966.2; NP_001186731.1
NCBI GenBank Nucleotide #	NM_000975.3
UniProt Accession #	P62913; P25121; P39026; Q8TDH2; Q9Y674
Molecular Weight	20252
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/rpl11-antibody-flow-cytometry-western-blot-elisa/289877>