

Rabbit RPS19 Polyclonal Antibody | anti-RPS19 antibody

RPS19 Antibody (Center)

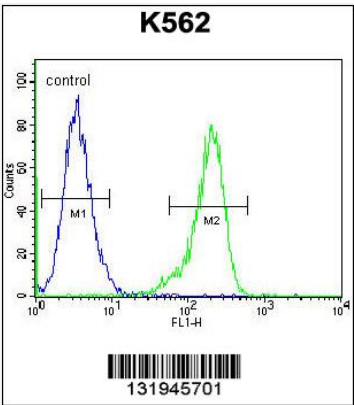
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287537	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

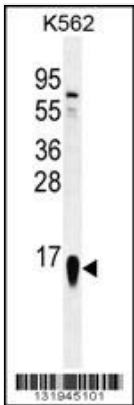
RPS19; Polyclonal Antibody; RPS19 Antibody (Center); 40S ribosomal protein S19; anti-RPS19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RPS19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-54 amino acids from the Central region of human RPS19.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	25-54
Sequence Length	145
Applicable Applications for anti-RPS19 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
RPS19 Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
RPS19 Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the RPS19 antibody detected the RPS19 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RPS19 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 40S subunit. The protein belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
References	Devlin, E.E., et al. Blood 116(15):2826-2835(2010) Iadevaia, V., et al. Oncogene 29(40):5490-5499(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Nishiura, H., et al. Apoptosis 15(8):966-981(2010) Schuster, J., et al. Blood Cells Mol. Dis. 45(1):23-28(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506695
NCBI GeneID	6223
NCBI Accession #	NP_001013.1
NCBI GenBank Nucleotide #	NM_001022.3
UniProt Accession #	P39019
Molecular Weight	16060
NCBI Official Full Name	40S ribosomal protein S19
NCBI Official Synonym Full Names	ribosomal protein S19
NCBI Official Symbol	RPS19

NCBI Official Synonym Symbols	DBA; S19; DBA1
NCBI Protein Information	40S ribosomal protein S19
UniProt Protein Name	40S ribosomal protein S19
UniProt Gene Name	RPS19
UniProt Entry Name	RS19_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/rps19-antibody-flow-cytometry-western-blot-elisa/287537>