

Rabbit RPS19 Polyclonal Antibody | anti-RPS19 antibody

RPS19 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326519	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RPS19; Polyclonal Antibody; RPS19 Antibody; 40S ribosomal protein S19; DBA; DBA1; HGNC:10402; Ribosomal protein S19; rps19; RS19_HUMAN; S19; anti-RPS19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RPS19 antibody detects endogenous levels of total RPS19
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	145
Applicable Applications for anti-RPS19 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RPS19
Subcellular Location	Nucleus. Located more specifically in the nucleoli.
Tissue Specificity	Higher level expression is seen in the colon carcinoma tissue than normal colon tissue.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA326519 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA326519 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 HeLa whole cell lysates, using RPS19 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS19 antibody	Description: 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. Function: Required for pre-rRNA processing and maturation of 40S ribosomal subunits. Subunit Structure: Interacts with RPS19BP1. Similarity: Belongs to the eukaryotic ribosomal protein eS19 family.
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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	Observed: 16 kDa Predicted: 17 kDa
NCBI Official Full Name	40S ribosomal protein S19 isoform 1
NCBI Official Synonym Full Names	ribosomal protein S19
NCBI Official Symbol	RPS19
NCBI Official Synonym Symbols	DBA; S19; DBA1; eS19
NCBI Protein Information	40S ribosomal protein S19
UniProt Protein Name	40S ribosomal protein S19
UniProt Gene Name	RPS19

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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326519>