

Rabbit anti-Human, Mouse RPS3 Polyclonal Antibody | anti-RPS3 antibody

RPS3 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281100	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

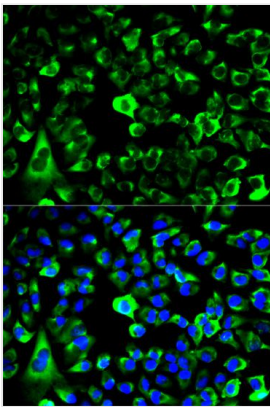
PRODUCT SYNONYMS

RPS3; Polyclonal Antibody; RPS3 Polyclonal Antibody; S3; anti-RPS3 antibody

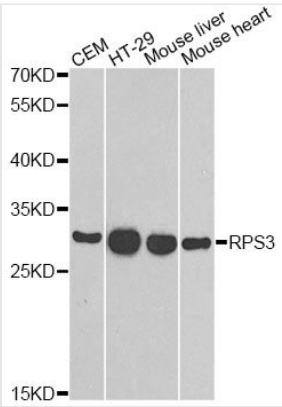
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	MAVQISKKRK FVADGIFKAE LNEFLTRELA EDGYSGVEVR VTPTRTEIII LATRTQNVLG EKGRRIRELT AVVQKRFGFP EGSVELYAEK VATRGLCAIA QAESLRYKLL GGLAVRRACY GVLRFIMESG AKGCEVVVSG KLRGQRAKSM KFVDGLMIHS GDPVNYVYVD AVRHVLLRQG VLGIKVKIML PWDPTGKIGP KKPLPDHVS VEPKDEILPT TPISQKGGK PEPPAMPQPV PTA
Sequence Length	243
Applicable Applications for anti-RPS3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant protein of human RPS3
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm, Mitochondrion inner membrane, Nucleus, Peripheral membrane protein, cytoskeleton, nucleolus, spindle
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using RPS3 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using RPS3 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS3 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, where it forms part of the domain where translation is initiated. The protein belongs to the S3P family of ribosomal proteins. Studies of the mouse and rat proteins have demonstrated that the protein has an extraribosomal role as an endonuclease involved in the repair of UV-induced DNA damage. The protein appears to be located in both the cytoplasm and nucleus but not in the nucleolus. Higher levels of expression of this gene in colon adenocarcinomas and adenomatous polyps compared to adjacent normal colonic mucosa have been observed. This gene is co-transcribed with the small nucleolar RNA genes U15A and U15B, which are located in its first and fifth introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-RPS3 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	15718687
NCBI GeneID	6188
NCBI Accession #	NP_000996.2
NCBI GenBank Nucleotide #	NM_001005.4
UniProt Accession #	P23396; Q498B5; Q8NI95; B2R7N5; J3KN86
Molecular Weight	Calculated: 26kDa; 28kDa Observed: 30kDa
NCBI Official Full Name	40S ribosomal protein S3 isoform 1
NCBI Official Synonym Full Names	ribosomal protein S3
NCBI Official Symbol	RPS3
NCBI Official Synonym Symbols	S3
NCBI Protein Information	40S ribosomal protein S3
UniProt Protein Name	40S ribosomal protein S3
UniProt Gene Name	RPS3

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://www.aaabiotech.com/polyclonal/rps3-antibody-immunofluorescence-western-blot-elisa/281100>