

Rabbit RPS3 Polyclonal Antibody | anti-RPS3 antibody

RPS3 Rabbit Polyclonal Antibody

CATALOG # AAA313430	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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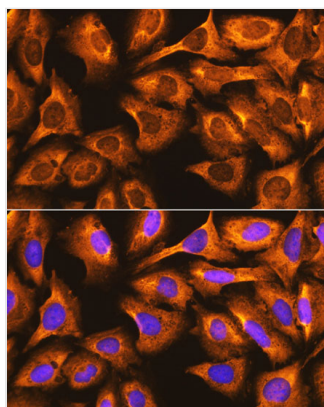
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

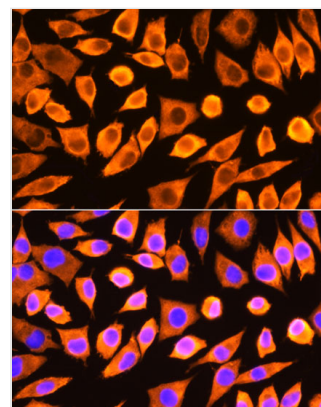
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-RPS3 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human RPS3 (NP_000996.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



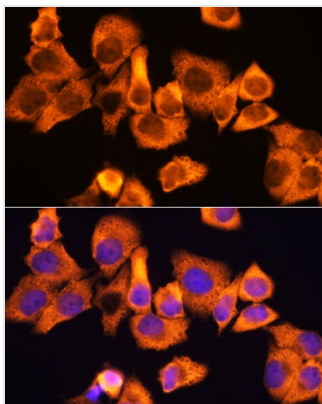
IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using RPS3 at dilution of 1:100. Blue: DAPI for nuclear staining.



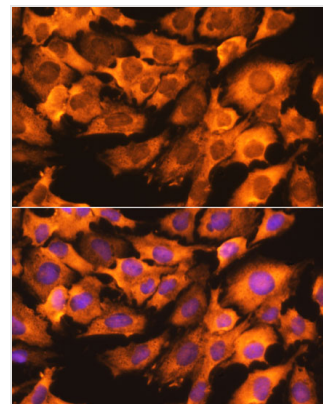
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using RPS3 at dilution of 1:100. Blue: DAPI for nuclear staining.



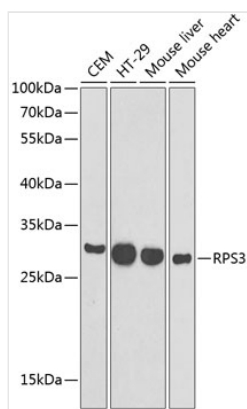
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using RPS3 at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using RPS3 at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RPS3 at 1:1000 dilution.

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

Primary Antibody

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

Molecular Weight	26,688 Da
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; IMR-90 ribosomal protein S3
UniProt Protein Name	40S ribosomal protein S3
UniProt Gene Name	RPS3
UniProt Entry Name	RS3_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/rps3-antibody-immunofluorescence-western-blot-elisa/313430>