

Rabbit RPS3A Polyclonal Antibody | anti-RPS3A antibody

RPS3A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327804	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

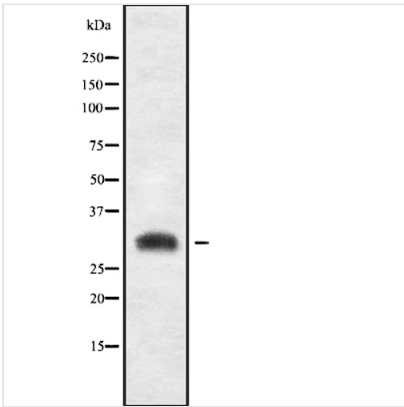
PRODUCT SYNONYMS

RPS3A; Polyclonal Antibody; RPS3A Antibody; 40S ribosomal protein S3a; Fte 1; Fte-1; FTE1; MFTL; ribosomal protein S3A; RS3A_HUMAN; S3A; v fos transformation effector protein 1; v fos transformation effector protein; V-fos transformation effector protein; anti-RPS3A antibody

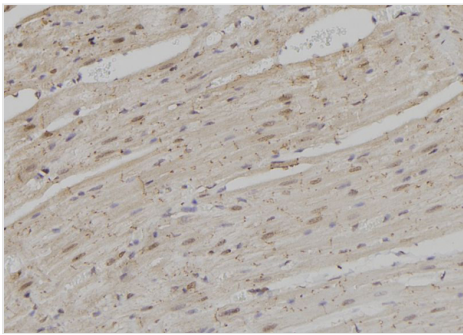
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RPS3A antibody detects endogenous levels of total RPS3A
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	264
Applicable Applications for anti-RPS3A antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RPS3A
Subcellular Location	Cytoplasm. Nucleus. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (92%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (92%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of RPS3A using RAW264.7 whole cell lysates



IHC (Immunohistochemistry)
AAA327804 at 1/100 staining Rat heart 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.

ADDITIONAL INFORMATION

Related Product Information for anti-RPS3A antibody	Function: May play a role during erythropoiesis through regulation of transcription factor DDIT3. Subunit Structure: Component of the small ribosomal subunit. Mature ribosomes consist of a small (40S) and a large (60S) subunit. The 40S subunit contains about 33 different proteins and 1 molecule of RNA (18S). The 60S subunit contains about 49 different proteins and 3 molecules of RNA (28S, 5.8S and 5S). Identified in a IGF2BP1-dependent mRNP granule complex containing untranslated mRNAs. Binds with high affinity to IPO4. Interacts with DDIT3. Similarity: Belongs to the eukaryotic ribosomal protein eS1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506723
NCBI GeneID	6189
NCBI Accession #	NP_000997.1
NCBI GenBank Nucleotide #	NM_001006.4
UniProt Accession #	P61247; P33443; P49241; B2R4D4; D3DP05
Molecular Weight	Observed: 30 kDa Predicted: 30 kDa
NCBI Official Full Name	40S ribosomal protein S3a isoform 1
NCBI Official Synonym Full Names	ribosomal protein S3A
NCBI Official Symbol	RPS3A
NCBI Official Synonym Symbols	S3A; FTE1; MFTL
NCBI Protein Information	40S ribosomal protein S3a
UniProt Protein Name	40S ribosomal protein S3a
UniProt Gene Name	RPS3A
UniProt Synonym Gene Names	FTE1; MFTL; Fte-1

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.