RPS3A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RPS3A, Polyclonal Antibody
Full Product Name	RPS3A Rabbit pAb
Product Gene Name	anti-RPS3A antibody
Product Synonym Names	S3A; FTE1; MFTL
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	35kDa
OMIM	180478
3D Structure	ModBase 3D Structure for P61247
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-264 of human RPS3A (NP_000997.1).
Cellular Localization	Cytoplasm, Nucleus
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RPS3A antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)
Application Notes for anti-RPS3A antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 IP: 1:50-1:100
Related Product Information for anti-RPS3A antibody	May play a role during erythropoiesis through regulation of transcription factor DDIT3.
Other Notes	Small volumes of anti-RPS3A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RPS3A purchase	MBS8545856 is an antibody targeting RPS3A. Also known as RPS3A Rabbit pAb. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPS3A. It may not necessarily be applicable to this product.

NCBI GI #	4506723
NCBI GeneID	6189

NCBI Accession #	NP_000997.1
UniProt Primary Accession #	P61247
UniProt Related Accession #	P61247
GenBank Nucleotide #	NP_000997.1
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
UniProt Protein Name	40S ribosomal protein S3a
UniProt Synonym Protein Names	v-fos transformation effector protein; Fte-1
Protein Family	40S ribosomal protein
UniProt Gene Name	RPS3A
UniProt Synonym Gene Names	Fte-1
UniProt Entry Name	RS3A_HUMAN
NCBI Protein Information	40S ribosomal protein S3a
NCBI Summary for RPS3A	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 S3AE family of ribosomal proteins. It is located in the cytoplasm. Disruption of the gene encoding rat ribosomal protein S3a, also named v-fos transformation effector protein, in v-fos-transformed rat cells results in reversion of the transformed phenotype. This gene is co-transcribed with the U73A and U73B small nucleolar RNA genes, which are located in its fourth and third introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]
UniProt Comments for RPS3A	RPS3A: ribosomal protein S3a. 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. Belongs to the S3AE family of ribosomal proteins. Located in the cytoplasm. Also named v-fos transformation effector protein. Protein type: Translation; Ribosomal Chromosomal Location of Human Ortholog: 4q31.2-q31.3 Cellular Component: focal adhesion; cytoplasm; nucleolus; cytosol; ribonucleoprotein complex; nucleus Molecular Function: protein binding; structural constituent of ribosome; RNA binding Biological Process: SRP-dependent cotranslational protein targeting to membrane; translation; viral reproduction; viral infectious cycle; translational termination; cellular protein metabolic process; translational elongation; mRNA catabolic process, nonsense-mediated decay; translational initiation; gene expression; viral transcription; cell differentiation; negative regulation of apoptosis
Research Articles on RPS3A	**1.** RPS3a as an essential component for LPS-mediated pro-inflammatory signaling
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