

Rabbit MRPS16 Polyclonal Antibody | anti-MRPS16 antibody

MRPS16 Rabbit Polyclonal Antibody

CATALOG # AAA314212	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

MRPS16; Polyclonal Antibody; MRPS16 Rabbit Polyclonal Antibody; CGI-132; COXPD2; MRP-S16; RPMS16; anti-MRPS16 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-MRPS16 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of human MRPS16 (NP_057149.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescence analysis of U2OS cells using MRPS16 Polyclonal at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using MRPS16 at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS16 antibody	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S16P family. The encoded protein is one of the most highly conserved ribosomal proteins between mammalian and yeast mitochondria. Three pseudogenes (located at 8q21.3, 20q13.32, 22q12-q13.1) for this gene have been described.
Product Categories/Family for anti-MRPS16 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	7705626
NCBI GeneID	51021
NCBI Accession #	NP_057149.1
NCBI GenBank Nucleotide #	NM_016065.3
UniProt Accession #	Q9Y3D3; Q96Q60
Molecular Weight	15,345 Da
NCBI Official Full Name	28S ribosomal protein S16, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S16
NCBI Official Symbol	MRPS16
NCBI Official Synonym Symbols	COXPD2; RPMS16; CGI-132; MRP-S16
NCBI Protein Information	28S ribosomal protein S16, mitochondrial; S16mt
UniProt Protein Name	28S ribosomal protein S16, mitochondrial
UniProt Gene Name	MRPS16
UniProt Synonym Gene Names	RPMS16; MRP-S16; S16mt
UniProt Entry Name	RT16_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/mrps16-antibody-immunofluorescence-western-blot-elisa/314212>