

Rabbit anti-Human, Mouse MRPS16 Polyclonal Antibody | anti-MRPS16 antibody

MRPS16 Antibody

CATALOG # AAA301318	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

MRPS16; Polyclonal Antibody; MRPS16 Antibody; mitochondrial ribosomal protein S16; MRP-S16; RPMS16; RT16; S16mt; anti-MRPS16 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MRPS16 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	137
Applicable Applications for anti-MRPS16 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MRPS16.
Target Name	MRPS16
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human tonsil tissue using MRPS16 antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using MRPS16 antibody.

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.Lai C.-H., Genome Res. 10:703-713(2000).Suzuki T., J. Biol. Chem. 276:33181-33195(2001).Kenmochi N., Genomics 77:65-70(2001).
Product Categories/Family for anti-MRPS16 antibody	Total protein Ab

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; B4E032
Molecular Weight	13,829 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
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-immunohistochemistry-western-blot-elisa/301318>