

Rabbit anti-Human MRPS22 Polyclonal Antibody | anti-MRPS22 antibody

MRPS22 Antibody

CATALOG # AAA303942	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

MRPS22; Polyclonal Antibody; MRPS22 Antibody; mitochondrial 28S ribosomal protein S22; MRP-S22; RPMS22; RT22; S22mt; anti-MRPS22 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MRPS22 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	360
Applicable Applications for anti-MRPS22 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MRPS22.
Target Name	MRPS22
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells, using MRPS22 antibody.


WB (Western Blot)

Western blot analysis of extracts from COS cells, using MRPS22 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS22 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 does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene corresponding to this gene is found on chromosome Xq.Crisponi L., Nat. Genet. 27:159-166(2001).Li Y., Submitted (JAN-2000) to the EMBL/GenBank/DBJ databases.The MGC Project Team; Genome Res. 14:2121-2127(2004).
Product Categories/Family for anti-MRPS22 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	9910244
NCBI GeneID	56945
NCBI Accession #	NP_064576.1
NCBI GenBank Nucleotide #	NM_020191.2
UniProt Accession #	P82650; Q9H3I1
Molecular Weight	18,972 Da
NCBI Official Full Name	28S ribosomal protein S22, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S22
NCBI Official Symbol	MRPS22
NCBI Official Synonym Symbols	GIBT; GK002; C3orf5; COXPD5; RPMS22; MRP-S22
NCBI Protein Information	28S ribosomal protein S22, mitochondrial
UniProt Protein Name	28S ribosomal protein S22, mitochondrial
UniProt Gene Name	MRPS22
UniProt Synonym Gene Names	C3orf5; RPMS22; MRP-S22; S22mt
UniProt Entry Name	RT22_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.