

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

MRPS22 Antibody

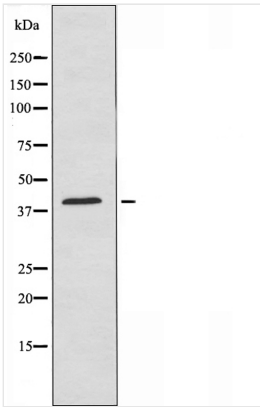
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324831	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

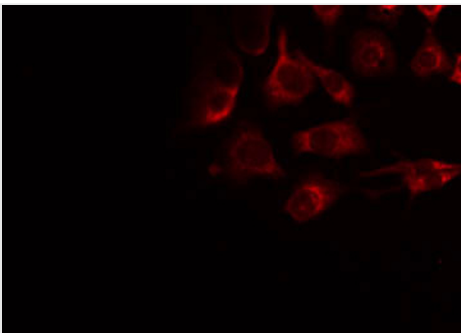
MRPS22; Polyclonal Antibody; MRPS22 Antibody; 28S ribosomal protein S22; C3orf5; COXPD5; GIBT; GK002; mitochondrial; mitochondrial ribosomal protein S22; MRP-S22; RPM S22; RPMS22; RT22_HUMAN; S22mt; anti-MRPS22 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	MRPS22 antibody detects endogenous levels of total MRPS22
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	360
Applicable Applications for anti-MRPS22 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (88%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from COS cells, using MRPS22 antibody.



IF (Immunofluorescence)
AAA324831 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS22 antibody	Subunit Structure: Component of the mitochondrial small ribosomal subunit (mt-SSU). Mature mammalian 55S mitochondrial ribosomes consist of a small (28S) and a large (39S) subunit. The 28S small subunit contains a 12S ribosomal RNA (12S mt-rRNA) and 30 different proteins. The 39S large subunit contains a 16S rRNA (16S mt-rRNA), a copy of mitochondrial valine transfer RNA (mt-tRNA(Val)), which plays an integral structural role, and 52 different proteins. Similarity: Belongs to the mitochondrion-specific ribosomal protein mS22 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9910244
NCBI GeneID	56945
NCBI Accession #	NP_064576.1
NCBI GenBank Nucleotide #	NM_020191.3
UniProt Accession #	P82650; Q9H311
Molecular Weight	Observed: 41 kD Predicted: 42 kDa
NCBI Official Full Name	28S ribosomal protein S22, mitochondrial isoform 1
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S22
NCBI Official Symbol	MRPS22
NCBI Official Synonym Symbols	GIBT; ODG7; 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

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.