

Rabbit MRPS5 Polyclonal Antibody | anti-MRPS5 antibody

MRPS5 antibody

CATALOG # AAA107661	HOST Rabbit	APPLICATIONS Western Blot, Immunocytochemistry, Immunofluorescence
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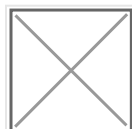
PRODUCT SYNONYMS

MRPS5; Polyclonal Antibody; MRPS5 antibody; Polyclonal MRPS5; Anti-MRPS5; MRPS-5; S5mt; MRPS 5; mitochondrial 28S ribosomal protein S5; MRP-S5; 28S ribosomal protein S5 mitochondrial; mitochondrial ribosomal protein S5; anti-MRPS5 antibody

PRODUCT SPECIFICATIONS

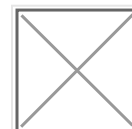
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	MRPS5 antibody was purified by antigen-affinity chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	1 mg/ml (varies by lot)
Sequence Length	280
Applicable Applications for anti-MRPS5 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence)
Biological Significance	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.
Cross-Reactivity	Human
Immunogen	MRPS5 antibody was raised in rabbit using a recombinant fragment corresponding to a region within amino acids 1 and 430 of MRPS5
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of 30 ug whole cell lysate (A:A431; B:H1299; C:HeLa S3; D:Hep G2) using a 10 % SDS PAGE gel and MRPS5 antibody at a dilution of 1:1000



IF (Immunofluorescence)

Immunofluorescence analysis of methanol-fixed HeLa, using MRPS5 antibody at 1:200 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS5 antibody	Affinity purified Rabbit polyclonal MRPS5 antibody
Product Categories/Family for anti-MRPS5 antibody	DNA & RNA ; Purified Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	34783041
NCBI GeneID	64969
UniProt Accession #	P82675 ; Q4ZFY5 ; Q96LJ6 ; Q9BWI4 ; Q9BYC4
Molecular Weight	48 kDa
NCBI Official Full Name	MRPS5 protein, partial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S5
NCBI Official Symbol	MRPS5
NCBI Official Synonym Symbols	S5mt; MRP-S5
NCBI Protein Information	28S ribosomal protein S5, mitochondrial
UniProt Protein Name	28S ribosomal protein S5, mitochondrial
UniProt Gene Name	MRPS5
UniProt Synonym Gene Names	MRP-S5; S5mt
UniProt Entry Name	RT05_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/mrps5-antibody-western-blot-immunocytochemistry-immunofluorescence-elisa/107661>