

Rabbit MRPS21 Polyclonal Antibody | anti-MRPS21 antibody

MRPS21 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA301867	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

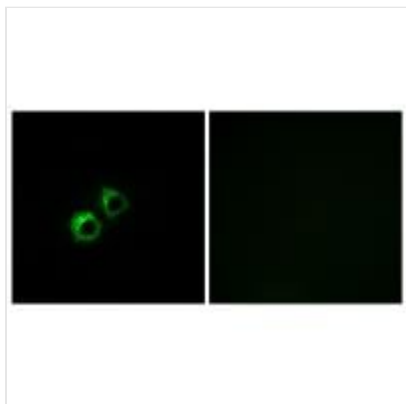
PRODUCT SYNONYMS

MRPS21; Polyclonal Antibody; MRPS21 Antibody; 28S ribosomal protein S21; mitochondrial; S21mt; MRP-S21; anti-MRPS21 antibody

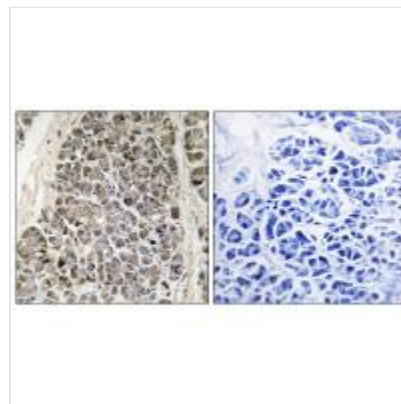
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total MRPS21 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	87
Applicable Applications for anti-MRPS21 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MRPS21.
Target Name	MRPS21
Preparation and Storage	Store at -20 degree C

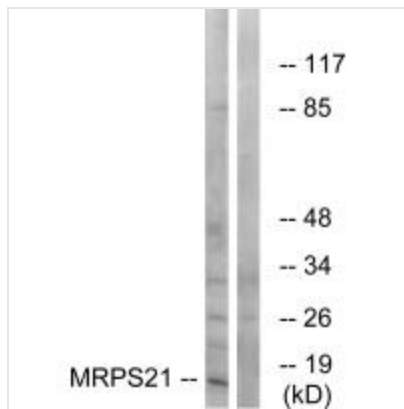
IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells, using MRPS21 antibody.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human pancreas tissue using MRPS21 antibody.



WB (Western Blot)
Western blot analysis of extracts from COS cells, using MRPS21 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS21 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 S21P family. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 9p, 10p, 10q, 16q, and 17q. Available sequence data analyses identified splice variants that differ in the 5' UTR; both transcripts encode the same protein.Suzuki T., J. Biol. Chem. 276:33181-33195(2001).Huang C., Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.The MGC Project Team; Genome Res. 14:2121-2127(2004).
Product Categories/Family for anti-MRPS21 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	16950593
NCBI GeneID	54460
NCBI Accession #	NP_061870.1
NCBI GenBank Nucleotide #	NM_018997.3
UniProt Accession #	P82921; Q5TB11; Q9BST6
Molecular Weight	10,742 Da
NCBI Official Full Name	28S ribosomal protein S21, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S21
NCBI Official Symbol	MRPS21
NCBI Official Synonym Symbols	MDS016; RPMS21; MRP-S21
NCBI Protein Information	28S ribosomal protein S21, mitochondrial
UniProt Protein Name	28S ribosomal protein S21, mitochondrial
UniProt Gene Name	MRPS21
UniProt Synonym Gene Names	RPMS21; MRP-S21; S21mt
UniProt Entry Name	RT21_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mrps21-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/301867>