

Rabbit anti-Human MRPS21 Polyclonal Antibody | anti-MRPS21 antibody

MRPS21 Rabbit pAb

CATALOG # AAA283286	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
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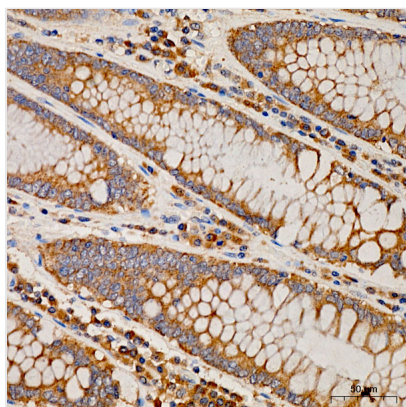
PRODUCT SYNONYMS

MRPS21; Polyclonal Antibody; MRPS21 Rabbit pAb; bS21m; MDS016; RPMS21; MRP-S21; anti-MRPS21 antibody

PRODUCT SPECIFICATIONS

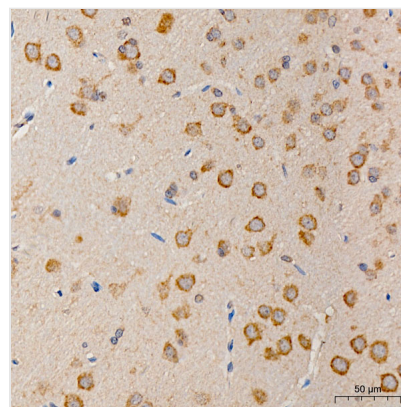
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MAKHLKFIAR TVMVQEGNVE SAYRTLNRIL TMDGLIEDIK HRRYYEKPCC RRQRESYERC RRIYNMEMAR KINFLMRKNR ADPWQGC
Applicable Applications for anti-MRPS21 antibody	ELISA, IHC (Immunohistochemistry)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-87 of human MRPS21(NP_114107.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



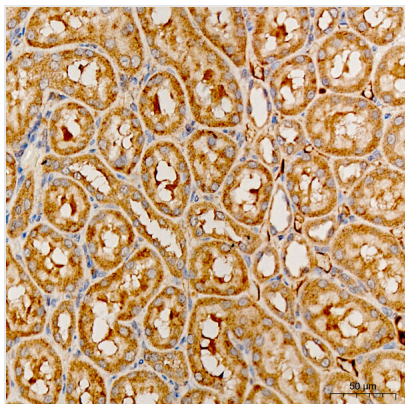
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using MRPS21 Rabbit pAb (AAA283286) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



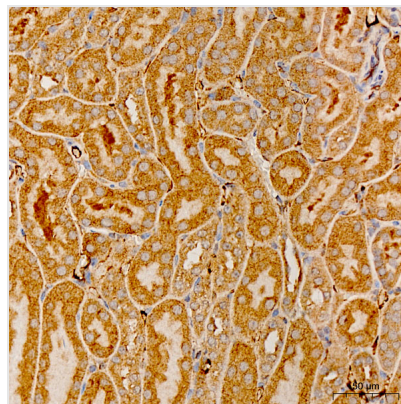
IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using MRPS21 Rabbit pAb (AAA283286) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using MRPS21 Rabbit pAb (AAA283286) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using MRPS21 Rabbit pAb (AAA283286) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

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.

Product Categories/Family for anti-MRPS21 antibody

[Epigenetics and Nuclear Signaling](#); [Chromosome Structure](#); [Cohesins](#); [DNA Damage Response](#); [Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16950593
NCBI GeneID	54460
NCBI Accession #	NP_061870.1
NCBI GenBank Nucleotide #	NM_018997.2
UniProt Accession #	P82921 ; Q5TB11 ; Q9BST6
Molecular Weight	Calculated MW: 10kDa
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mrps21-antibody-immunohistochemistry-elisa/283286>