Rabbit anti-Human, Rat MRPS31 Polyclonal Antibody | anti-MRPS31 antibody

MRPS31 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA313356	**Rabbit**	**Human, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

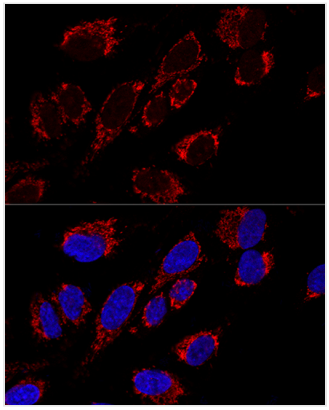
PRODUCT SYNONYMS

MRPS31; Polyclonal Antibody; MRPS31 Rabbit Polyclonal Antibody; IMOGN38; MRP-S31; S31mt; anti-MRPS31 antibody

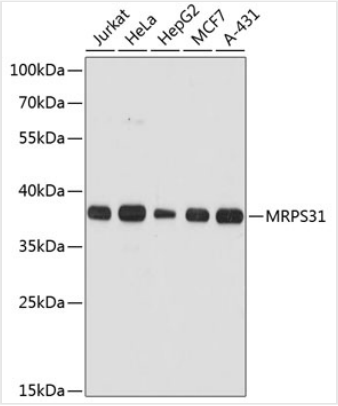
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-MRPS31 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein of human MRPS31 (NP_005821.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescence analysis of U2OS cells using MRPS31 Polyclonal at dilution of 1:200. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using MRPS31 at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-MRPS31 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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that has also been associated with type 1 diabetes; however, its relationship to the etiology of this disease remains to be clarified. Pseudogenes corresponding to this gene have been found on chromosomes 3 and 13.
Product Categories/Family for anti-MRPS31 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	186928854
NCBI GeneID	10240
NCBI Accession #	NP_005821.2
NCBI GenBank Nucleotide #	NM_005830.3
UniProt Accession #	Q92665; Q5VYC8; Q8WTV8; B2RCS3
Molecular Weight	45,318 Da
NCBI Official Full Name	28S ribosomal protein S31, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S31
NCBI Official Symbol	MRPS31
NCBI Official Synonym Symbols	S31mt; IMOGN38; MRP-S31
NCBI Protein Information	28S ribosomal protein S31, mitochondrial; imogen 38
UniProt Protein Name	28S ribosomal protein S31, mitochondrial
UniProt Gene Name	**MRPS31**
UniProt Synonym Gene Names	IMOGN38; MRP-S31; S31mt
UniProt Entry Name	RT31_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/mrps31-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/313356