

Product datasheet

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ARG42904 anti-MRPS31 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes MRPS31

Tested Reactivity Hu, Rat

Tested Application ICC/IF, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name MRPS31
Species Human

Immunogen Recombinant fusion protein corresponding to aa. 66-395 of Human MRPS31 (NP_005821.2).

Conjugation Un-conjugated

Alternate Names MRP-S31; S31mt; IMOGN38; 28S ribosomal protein S31, mitochondrial; Imogen 38

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 38 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol

MRPS31

Gene Full Name

mitochondrial ribosomal protein S31

Background

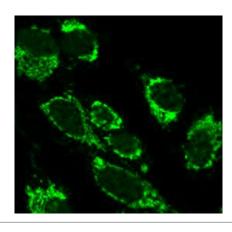
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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. [provided by RefSeq, Jul 2008]

Calculated Mw

Cellular Localization Mitochondrion. [UniProt]

45 kDa

Images



ARG42904 anti-MRPS31 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG42904 anti-MRPS31 antibody at 1:200 dilution.



ARG42904 anti-MRPS31 antibody WB image

Western blot: 25 μg of Jurkat cell lysate stained with ARG42904 anti-MRPS31 antibody at 1:3000 dilution.