

Product datasheet

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ARG41115 anti-MRPL42 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes MRPL42

Tested Reactivity Hu, Ms

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name MRPL42
Species Human

Immunogen Recombinant fusion protein corresponding to aa. 1-142 of Human MRPL42 (NP_054769.1).

Conjugation Un-conjugated

Alternate Names L42mt; L31MT; 39S ribosomal protein L31, mitochondrial; MRP-L42; 39S ribosomal protein L42,

mitochondrial; MRPL31; PTD007; S32MT; MRP-S32; L31mt; MRPS32; L42MT; HSPC204; MRP-L31;

RPML31; 28S ribosomal protein S32, mitochondrial; S32mt

Application Instructions

Application table	Application	Dilution
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HepG2	
Observed Size	15 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

MRPL42

Gene Full Name

mitochondrial ribosomal protein L42

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. This gene encodes a protein identified as belonging to both the 28S and the 39S subunits. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 4q, 6p, 6q, 7p, and 15q. [provided by RefSeq, May 2011]

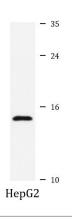
Calculated Mw

17 kDa

Cellular Localization

Mitochondrion. [UniProt]

Images



ARG41115 anti-MRPL42 antibody WB image

Western blot: 25 μg of HepG2 cell lysate stained with ARG41115 anti-MRPL42 antibody at 1:3000 dilution.