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.