ARG57021
anti-MRPS25 antibody [38E7]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [38E7] recognizes MRPS25
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	38E7
Isotype	IgG2a, kappa
Target Name	MRPS25
Species	Human
Immunogen	Recombinant fragment around aa. 1-173 of Human MRPS25.
Conjugation	Un-conjugated
Alternate Names	S25mt; RPMS25; MRP-S25; 28S ribosomal protein S25, mitochondrial

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:5000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

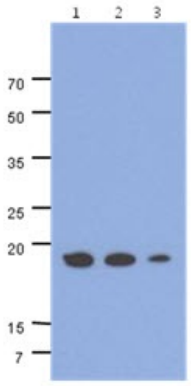
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
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

Database links	GeneID: 64432 Human Swiss-port # P82663 Human
Gene Symbol	MRPS25
Gene Full Name	mitochondrial ribosomal protein S25
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 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 4. [provided by RefSeq, Jul 2008]
Calculated Mw	20 kDa

Images



ARG57021 anti-MRPS25 antibody [38E7] WB image

Western blot: 40 µg of HepG2 cell lysate stained with ARG57021 anti-MRPS25 antibody [38E7] at 1) 1:500, 2) 1:1000, and, 3) 1:5000 dilution.