

MRPL42 Antibody

Catalog No: #48443

Package Size: #48443-1 50ul #48443-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	MRPL42 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	G11-H6
Purification	ProA affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	28S ribosomal protein S32 antibody 39S ribosomal protein L31 antibody 39S ribosomal protein L42 antibody HSPC204 antibody L31mt antibody L42mt antibody mitochondrial antibody Mitochondrial ribosomal protein L42 antibody Mitochondrial ribosomal protein S32 antibody MRP L31 antibody MRP L42 antibody MRP S32 antibody MRP-L31 antibody MRP-L42 antibody MRP-S32 antibody MRPL31 antibody Mrpl42 antibody MRPS32 antibody PTD007 antibody RM42_HUMAN antibody RPML31 antibody S32mt antibody
Accession No.	Swiss-Prot#:Q9Y6G3
Uniprot	Q9Y6G3
GeneID	28977;
Calculated MW	16 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:1000IHC: 1:50-1:200ICC: 1:100-1:200 FC: 1:100-1:200

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.

References

Note: This product is for in vitro research use only