MRPL3 Antibody

Catalog No: #34801

Package Size: #34801-1 50ul #34801-2 100ul



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

Product Name MRPL3 Antibody Hots Species Rabit Conality Polyclonal Purfication The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specified inmunogen. Applications WB Species Reactivity Wa Species Reactivity Natibody detects endogenous levels of total MRPL3 protein. Immunogen Type Polyticate and company in the protein detects and company. Target Name MRPL3 Other Names Species in the protein L3: mitochondrial form internal of human MRPL3. Accession No. Siss-Prote Protein L3: mitochondrial for Spicosomal protein L3: mitocho	Description	
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and 50% glycerol.	Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide
		and 50% glycerol.
Storage Store at -20°C	Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images

K562	
	250 150 100
	75
	50
MRPL3 -	37
	25
	25 20
	15
	(kd)

Western blot analysis of extracts from K562 cells, using MRPL3 antibody #34801.

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 39S subunit protein that belongs to the L3P ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 13q. Ou J.-H., Nucleic Acids Res. 15:8919-8934(1987).

Ebert L., Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Burkard T.R., BMC Syst. Biol. 5:17-17(2011).

Note: This product is for in vitro research use only