

MRP-L39 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05586
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL39. AA range:289-338
Mol wt	38722
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	MRP-L39 Antibody
Synonyms	MRPL39; C21orf92; MRPL5; RPML5; MSTP003; PRED22; 39S ribosomal protein L39; mitochondrial; L39mt; MRP-L39; 39S ribosomal protein L5, mitochondrial; L5mt; MRP-L5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. MRPL39 (mitochondrial ribosomal protein L39) encodes a 39S subunit protein. Two transcript variants encoding distinct isoforms have been described. A pseudogene corresponding to MRPL39 is found on chromosome 5q.

Recommended Dilution

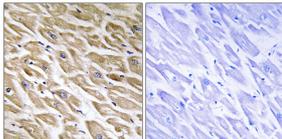
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

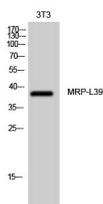
ELISA: 1: 40000

Not yet tested in other applications.

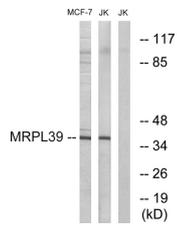
Images



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MRPL39 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of 3T3 cells using MRP-L39 Polyclonal Antibody diluted at 1:1000



Storage

-20°C for one year

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