

MRP-L10 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05568
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL10. AA range:211-260
Mol wt	29297
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	MRP-L10 Antibody
Synonyms	MRPL10; MRPL8; RPML8; 39S ribosomal protein L10; mitochondrial; L10mt; MRP-L10; 39S ribosomal protein L8, mitochondrial; L8mt; MRP-L8

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

Background

39S ribosomal protein L10 mitochondrial (Mammalian mitochondrial ribosomal protein L 10) is encoded by nuclear gene MRPL10 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. Sequence analysis identified three transcript variants that encode two different isoforms. A pseudogene corresponding to this gene is found on chromosome 5q.

Recommended Dilution

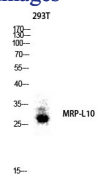
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

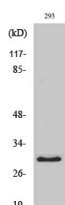
ELISA: 1: 20000

Not yet tested in other applications.

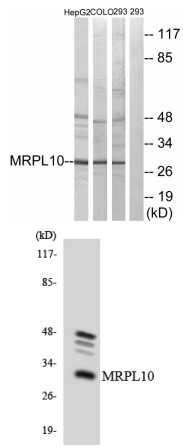
Images



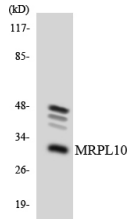
Western blot analysis of 293T lysis using MRP-L10 antibody. Antibody was diluted at 1:1000



Western Blot analysis of various cells using MRP-L10 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from 293, HepG2, and COLO cells, using MRPL10 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using MRPL10 antibody.

Storage

-20°C for one year

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