

MRP-L46 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP05591
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL46. AA range:111-160
Mol wt	31705
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	MRP-L46 Antibody
Synonyms	MRPL46; C15orf4; LIECG2; 39S ribosomal protein L46; mitochondrial; L46mt; MRP-L46; P2ECSL

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

Background

Mammalian mitochondrial ribosomal protein L 46 (39S ribosomal protein L46 mitochondrial) is encoded by nuclear gene MRPL46 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.

Recommended Dilution

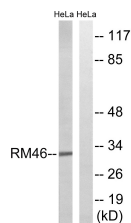
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

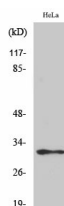
ELISA: 1: 40000

Not yet tested in other applications.

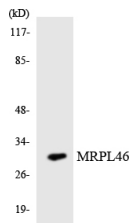
Images



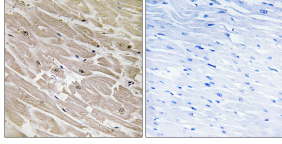
Western blot analysis of lysates from HeLa cells, using MRPL46 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MRP-L46 Polyclonal Antibody diluted at 1:500



Western blot analysis of the lysates from HUVEC cells using MRPL46 antibody.



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MRPL46 Antibody.
The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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