

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.

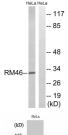
blocked with the synthesized peptide.

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

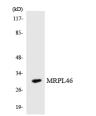
Not yet tested in other applications.

Images

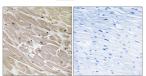


Western blot analysis of lysates from HeLa cells, using MRPL46 Antibody. The lane on the right is

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



Western blot analysis of the lysates from HUVECcells 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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