

MRP-L21 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP05578

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human MRPL21. AA range:131-180

Mol wt 23159

Species reactivity Human, Mouse

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name MRP-L21 Antibody

Synonyms MRPL21; 39S ribosomal protein L21; mitochondrial; L21mt; MRP-L21

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

Background

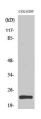
Mammalian mitochondrial ribosomal protein L 21 (39S ribosomal protein L21 mitochondrial) is encoded by nuclear gene MRPL21 and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% 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. Multiple transcript variants encoding different isoforms were identified through sequence analysis although some may be subject to nonsense-mediated decay (NMD).

Recommended Dilution

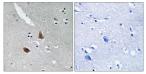
WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 ELISA: 1: 40000

Not yet tested in other applications.

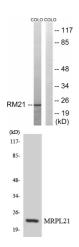
Images



Western Blot analysis of various cells using MRP-L21 Polyclonal Antibody diluted at 1:2000



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using MRPL21 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using MRPL21 Antibody. The lane on the right is blocked with the synthesized peptide.

Western blot analysis of the lysates from HeLa cells using MRPL21 antibody.

Storage

-20°C for one year

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