

MRPL22 Rabbit pAb

Catalog No.: A24777

Basic Information

Observed MW

20kDa

Calculated MW

13kDa/14kDa/23kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human

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. This gene encodes a 39S subunit protein that belongs to the L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:1000 - 1:5000

Immunogen Information

Gene ID

29093

Swiss Prot

Q9NWU5

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 59-206 of human MRPL22(NP_054899.2).

Synonyms

MRPL22; HSPC158; L22mt; MRP-L22; MRP-L25; RPML25; mitochondrial ribosomal protein L22

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

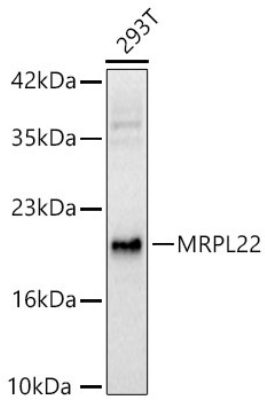
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from 293T cells using MRPL22 Rabbit pAb(A24777) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.