

A14400

Leader in Biomolecular Solutions for Life Science



MRPL15 Rabbit pAb

Catalog No.: A14400

Basic Information

Observed MW

36kDa

Calculated MW

33kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse

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 Ecol15 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 15q.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

29088

Swiss Prot

Q9P015

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-296 of human MRPL15 (NP_054894.1).

Synonyms

L15mt; RPML7; MRP-L7; HSPC145; MRP-L15; MRPL15

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

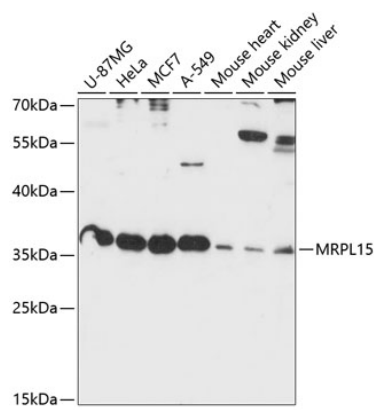
Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using MRPL15 Rabbit pAb (A14400) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.