MRPL44 Rabbit pAb

Catalog No.: A4949 1 Publications



Basic Information

Observed MW

37kDa

Calculated MW

38kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Human, Rat

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.

Recommended Dilutions

WB 1:1000 - 1:2000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene IDSwiss Prot
65080
Q9H9J2

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

L44MT; COXPD16; MRP-L44; MRPL44

Contact

<u>a</u>		400-999-6126
\bowtie		cn.market@abclonal.com.cn
\odot	1	www.abclonal.com.cn

Product Information

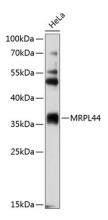
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using MRPL44 Rabbit pAb (A4949) at 1:2000 dilution. Secondary antibody: HRP-conjugated 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: 15s.