# MRPL15 Rabbit pAb

**Catalog No.: A14400**

## Basic Information

**Observed MW**
36kDa

**Calculated MW**
33kDa

**Category**
Primary antibody

**Applications**
ELISA,WB

**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

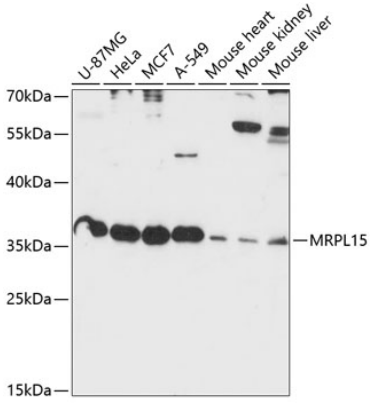
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## Validation Data




Western blot analysis of extracts of various cell lines, using MRPL15 antibody (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.