

MRPL1 Polyclonal Antibody

Catalog Number:E-AB-18675



Note: Centrifuge before opening to ensure complete recovery of vial contents.

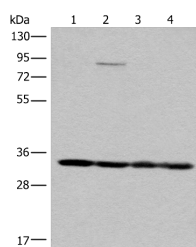
Description

| | |
|---------------------|--|
| Reactivity | Human |
| Immunogen | Fusion protein of human MRPL1 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Antigen affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.05% NaN3 and 40% Glycerol,pH7.4 |

Applications Recommended Dilution

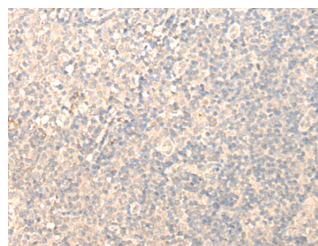
| | |
|--------------|----------------|
| WB | 1:500-1:2000 |
| IHC | 1:30-1:150 |
| ELISA | 1:5000-1:10000 |

Data



Western blot analysis of K562 HEPG2 231 and Jurkat cell lysates using MRPL1 Polyclonal Antibody at dilution of 1:350

Observed MW:Refer to figures
Calculated Mw:37 kDa



Immunohistochemistry of paraffin-embedded Human tonsil tissue using MRPL1 Polyclonal Antibody at dilution of 1:25(×200)

Preparation & Storage

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

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 L1 ribosomal protein family.

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