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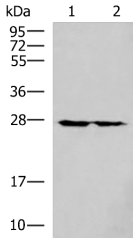
# MRPL16 Polyclonal Antibody

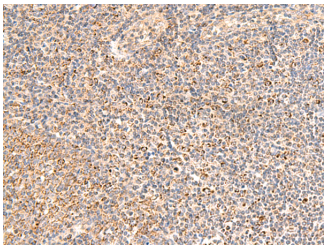
| | | | |
|---|---|---|---|
| **Catalog No.** | E-AB-18955 | **Reactivity** | H,M,R |
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. | **Host** | Rabbit |
| **Applications** | WB,IHC,ELISA | **Isotype** | IgG |

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

## Images




Western blot analysis of 293T cell lysates using MRPL16 Polyclonal Antibody at dilution of 1:800



Immunohistochemistry of paraffin-embedded Human tonsil tissue using MRPL16 Polyclonal Antibody at dilution of 1:50(×200)

## Immunogen Information

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|---|---|
| **Immunogen** | Fusion protein of human MRPL16 |
| **Gene Accession** | BC001040 |
| **Swissprot** | Q9NX20 |
| **Synonyms** | itochondrial ribosomal protein L16,MRP-L16,Mrpl16,PNAS 111,RM16 |

## Product Information

| | |
|---|---|
| **Calculated MW** | 28 kDa |
| **Observed MW** | Refer to figures |
| **Buffer** | PBS with 0.05% NaN3 and 40% Glycerol,pH7.4 |
| **Purify** | Antigen affinity purification |
| **Dilution** | WB 1:1000-1:5000, IHC 1:50-1:300, ELISA 1:5000-1:10000 |

## 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.