

# MRPL22 Rabbit pAb

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Catalog # AP56828

## Product Information

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|----------------------------|------------------------------------------------------------|
| <b>Application</b>         | WB                                                         |
| <b>Primary Accession</b>   | <a href="#">Q9NWU5</a>                                     |
| <b>Reactivity</b>          | Mouse                                                      |
| <b>Predicted</b>           | Rat, Human, Zebrafish, Chicken                             |
| <b>Host</b>                | Rabbit                                                     |
| <b>Clonality</b>           | Polyclonal                                                 |
| <b>Calculated MW</b>       | 23641                                                      |
| <b>Physical State</b>      | Liquid                                                     |
| <b>Immunogen</b>           | KLH conjugated synthetic peptide derived from human MRPL22 |
| <b>Epitope Specificity</b> | 41-120/206                                                 |
| <b>Isotype</b>             | IgG                                                        |
| <b>Purity</b>              | affinity purified by Protein A                             |

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**SUBCELLULAR LOCATION** Mitochondrion.**Important Note** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions** 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 L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

## Additional Information

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**Gene ID** 29093**Other Names** Large ribosomal subunit protein uL22m, 39S ribosomal protein L22, mitochondrial, L22mt, MRP-L22, 39S ribosomal protein L25, mitochondrial, L25mt, MRP-L25, MRPL22, MRPL25, RPML25**Dilution** WB=1:500-2000**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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|--------------------------|----------------|
| <b>Name</b>              | MRPL22         |
| <b>Synonyms</b>          | MRPL25, RPML25 |
| <b>Cellular Location</b> | Mitochondrion  |

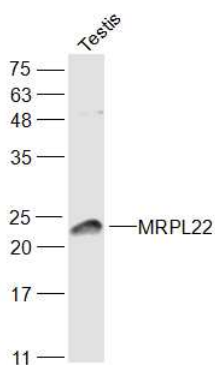
## Background

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## Images

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Sample:  
Testis (Mouse) Lysate at 40 ug  
Primary: Anti-MRPL22 (AP56828) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 23 kD  
Observed band size: 23 kD

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