# MRP-S7 Monoclonal Antibody

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| **Catalog No** | YP-mAb-04022 |
| **Isotype** | IgG |
| **Reactivity** | Human;Mouse;Rat |
| **Applications** | WB |
| **Gene Name** | MRPS7 |
| **Protein Name** | 28S ribosomal protein S7 mitochondrial |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human MRPS7. AA range:91-140 |
| **Specificity** | MRP-S7 Monoclonal Antibody detects endogenous levels of MRP-S7 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Monoclonal, Mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | WB 1:500-1:2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | MRPS7; 28S ribosomal protein S7; mitochondrial; MRP-S7; S7mt; bMRP-27a; bMRP27a |
| **Observed Band** | 24kD |
| **Cell Pathway** | Mitochondrion . |
| **Tissue Specificity** | Eye,Skeletal muscle,Small intestine,Umbilical cord blood, |
| **Function** | similarity:Belongs to the ribosomal protein S7P family.,subunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins., |
| **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 28S subunit protein. In the prokaryotic ribosome, the comparable protein is thought to play an essential role in organizing the 3' domain of the 16 S rRNA in the vicinity of the P- |

and A-sites. Pseudogenes corresponding to

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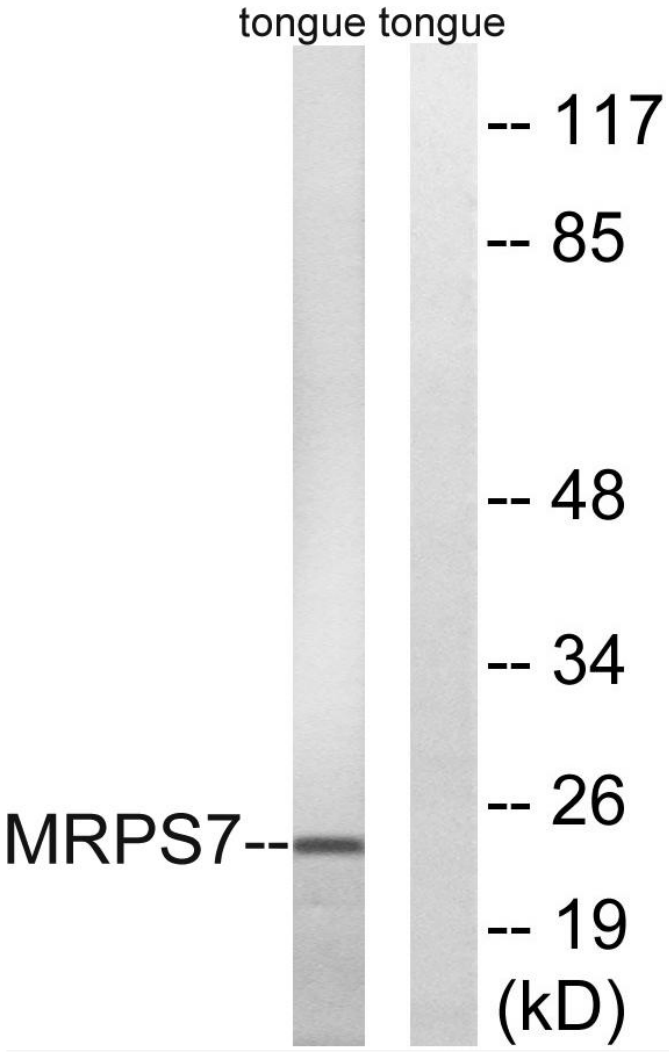
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images




Western Blot analysis of various cells using MRP-S7 Monoclonal Antibody