



# MRP-S12 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-04004
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	MRPS12
<b>Protein Name</b>	28S ribosomal protein S12 mitochondrial
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MRPS12. AA range:21-70
<b>Specificity</b>	MRP-S12 Monoclonal Antibody detects endogenous levels of MRP-S12 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MRPS12; RPMS12; RPSM12; 28S ribosomal protein S12; mitochondrial; MRP-S12; S12mt; MT-RPS12
<b>Observed Band</b>	20kD
<b>Cell Pathway</b>	Mitochondrion .
<b>Tissue Specificity</b>	Brain,Colon,Liver,Skin,
<b>Function</b>	similarity:Belongs to the ribosomal protein S12P family.,subunit:Component of the mitochondrial ribosome small subunit (28S) which comprises a 12S rRNA and about 30 distinct proteins.,
<b>Background</b>	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 that belongs to the ribosomal protein S12P family. The encoded protein is a key component of the ribosomal small subunit and controls the decoding fidelity and



susceptibility to aminoglycoside antibiotics. Th

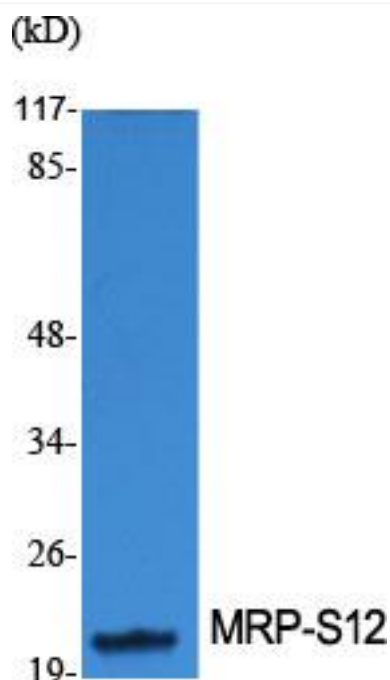
**matters needing attention**

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-S12 Monoclonal Antibody