



# MRP-L12 Monoclonal Antibody

Catalog No	BYmab-03975
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	MRPL12
Protein Name	39S ribosomal protein L12 mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL12. AA range:31-80
Specificity	MRP-L12 Monoclonal Antibody detects endogenous levels of MRP-L12 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MRPL12; RPML12; 39S ribosomal protein L12; mitochondrial; L12mt; MRP-L12; 5c5-2
Observed Band	21kD
Cell Pathway	Mitochondrion .
Tissue Specificity	Muscle,Tonsil,
Function	similarity:Belongs to the ribosomal protein L12P family.,
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

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recognition by sequence homology. This gene encodes a 39S subunit protein which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex. [provided by RefSeq, Jul 2008],

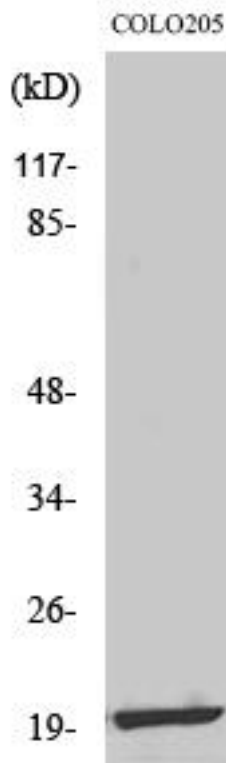
**matters needing attention**

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-L12 Monoclonal Antibody