

## MRP-L12 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05570
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MRPL12. AA range:31-80
<b>Mol wt</b>	21348
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MRP-L12 Antibody
<b>Synonyms</b>	MRPL12; RPML12; 39S ribosomal protein L12; mitochondrial; L12mt; MRP-L12; 5c5-2

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Mammalian mitochondrial ribosomal protein L 12 (39S ribosomal protein L12 mitochondrial) is encoded by nuclear gene MRPL12 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 which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex.

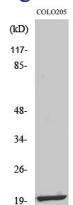
### Recommended Dilution

WB: 1: 500 - 1: 2000

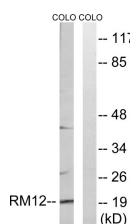
ELISA: 1: 40000

Not yet tested in other applications.

### Images



Western Blot analysis of various cells using MRP-L12 Polyclonal Antibody



Western blot analysis of lysates from COLO cells, using MRPL12 Antibody. The lane on the right is blocked with the synthesized peptide.

## Storage

-20°C for one year

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