

## MRP-L41 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05589
<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 MRPL41. AA range:81-130
<b>Mol wt</b>	15383
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MRP-L41 Antibody
<b>Synonyms</b>	MRPL41; BMRP; MRPL27; RPML27; PIG3; 39S ribosomal protein L41; mitochondrial; L41mt; MRP-L41; 39S ribosomal protein L27 homolog; Bcl-2-interacting mitochondrial ribosomal protein L41; Cell proliferat

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

### Background

Mammalian mitochondrial ribosomal protein L 41 (39S ribosomal protein L41 mitochondrial) is encoded by nuclear gene MRPL41 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 YmL27 ribosomal protein family.

### Recommended Dilution

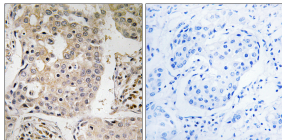
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 40000

Not yet tested in other applications.

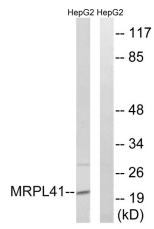
### Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using MRPL41 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MRP-L41 Polyclonal Antibody



Western blot analysis of lysates from HepG2 cells, using MRPL41 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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