

## MRP-L51 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05596
<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 MRPL51. AA range:51-100
<b>Mol wt</b>	15095
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MRP-L51 Antibody
<b>Synonyms</b>	MRPL51; MRP64; CDA09; HSPC241; 39S ribosomal protein L51; mitochondrial; L51mt; MRP-L51; bMRP-64; bMRP64

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

### 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. MRPL51 (mitochondrial ribosomal protein L51) encodes a 39S subunit protein. Pseudogenes corresponding to this gene are found on chromosomes 4p and 21q.

### Recommended Dilution

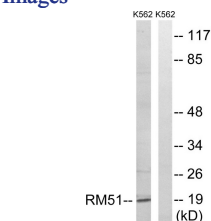
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

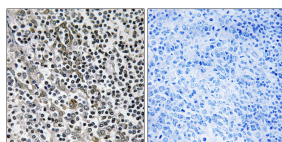
ELISA: 1: 20000

Not yet tested in other applications.

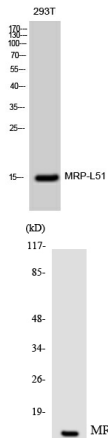
### Images



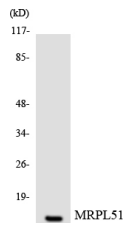
Western blot analysis of lysates from K562 cells, using MRPL51 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using MRPL51 Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of 293T cells using MRP-L51 Polyclonal Antibody diluted at 1:2000



Western blot analysis of the lysates from HUVEC cells using MRPL51 antibody.

### Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)