

## MRP-L51 Polyclonal Antibody

Catalog: BS65374

Host: Rabbit

Reactivity: Human, Mouse

### Background:

mitochondrial ribosomal protein L51(MRPL51) Homo sapiens 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 39S subunit protein. Pseudogenes corresponding to this gene are found on chromosomes 4p and 21q. [provided by RefSeq, Jul 2008],

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Molecular Weight:

~20 kDa

### Swiss-Prot:

Q4U2R6

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

### Applications:

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

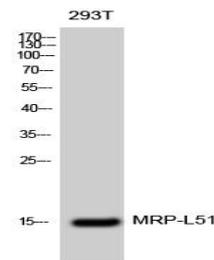
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

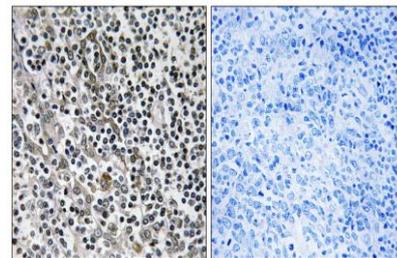
### Specificity:

MRP-L51 Polyclonal Antibody detects endogenous levels of MRP-L51 protein.

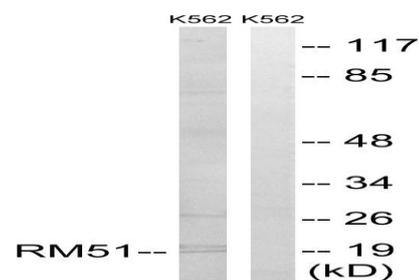
### DATA:



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



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

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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