

## MRP-S25 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP05609
<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 MRPS25. AA range:124-173
<b>Mol wt</b>	20116
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	MRP-S25 Antibody
<b>Synonyms</b>	MRPS25; RPMS25; 28S ribosomal protein S25; mitochondrial; MRP-S25; S25mt

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

### Background

28S ribosomal protein S25 mitochondrial (mitochondrial ribosomal protein S25) is encoded by nuclear genes MRPS25 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 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 4. Alternative splicing results in multiple transcript variants.

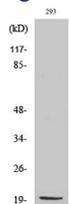
### Recommended Dilution

WB: 1: 500 - 1: 2000

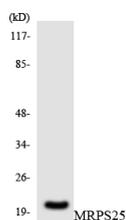
ELISA: 1: 40000

Not yet tested in other applications.

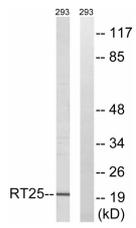
### Images



Western blot analysis of various cells using MRP-S25 Polyclonal Antibody diluted at 1:2000



Western blot analysis of the lysates from HepG2 cells using MRPS25 antibody.



Western blot analysis of lysates from 293 cells, using MRPS25 Antibody. The lane on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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