

## Product datasheet for **TA331700**

### MRP L9 (MRPL9) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-MRPL9 Antibody is: synthetic peptide directed towards the C-terminal region of Human MRPL9. Synthetic peptide located within the following region: EPITRWGEYWCEVTVNGLDTVRVPMSVNVNFEKPKTKRYKYWLAQQAAM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29 kDa
Gene Name:	mitochondrial ribosomal protein L9
Database Link:	<a href="#">NP_113608</a> <a href="#">Entrez Gene 65005 Human</a> <a href="#">Q9BYD2</a>



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**Background:**

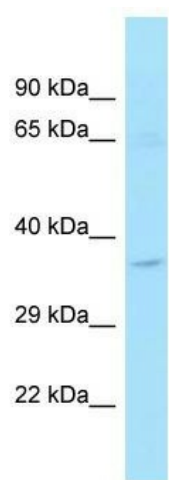
Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic 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. This gene encodes a 39S subunit protein. A pseudogene corresponding to this gene is found at 8q21.11.

**Synonyms:**

L9mt

**Note:**

Immunogen sequence homology: Pig: 100%; Human: 100%; Rabbit: 100%; Guinea pig: 100%; Horse: 93%; Bovine: 93%; Dog: 92%; Rat: 91%; Mouse: 85%

**Product images:**

Host: Rabbit; Target Name: MRPL9; Sample Tissue: Fetal Liver lysates; Antibody Dilution: 1.0ug/ml