

## Product datasheet for **TA358232**

### MRPL43 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	<b>Expected reactivity:</b> Cow, Guinea Pig, Horse, Human, Mouse, Rat <b>Homology:</b> Cow: 79%; Guinea Pig: 79%; Horse: 79%; Human: 100%; Mouse: 79%; Rat: 83%
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>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	23kDa
Gene Name:	mitochondrial ribosomal protein L43
Database Link:	<a href="#">NP_789762</a> <a href="#">Entrez Gene 84545 Human</a> <a href="#">Q8N983</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. This gene and the gene for a semaphorin class 4 protein (SEMA4G) overlap at map location 10q24.31 and are transcribed in opposite directions.

**Synonyms:**

bMRP36a; L43mt; MGC17989; MGC48892; MRP-L43; OTTHUMP00000020310

**Product images:**

WB Suggested Anti-MRPL43 Antibody  
Titration: 1.0 ug/ml  
Positive Control: HepG2 Whole Cell