

Product datasheet for TA358232

MRPL43 Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Specificity: Expected reactivity: Cow, Guinea Pig, Horse, Human, Mouse, Rat

Homology: 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.

Note that this product is shipped as lyophilized powder to China customers.

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: NP 789762

Entrez Gene 84545 Human

Q8N983



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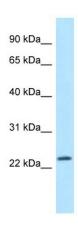
Background:

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