

## MRPL45

---

**Reactivity:**Human

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**38kDa

**Observed MW:**Refer to Figures

**Immunogen:**

A synthetic peptide of human MRPL45

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

j

**Synonym:**

L45mt; MRP-L45;

**Catalog #:**A5052

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**84311

**Isotype:**IgG

**Swiss Prot:**Q9BRJ2

**Purity:**Affinity purification

For research use only.

**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. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 2p and 17q.

*To place an order, please [Click HERE](#).*