



## Rabbit Anti-MRPL24 antibody

SL17783R

<b>Product Name:</b>	MRPL24
<b>Chinese Name:</b>	Mitochondrion核糖体蛋白L24抗体
<b>Alias:</b>	39S ribosomal protein L24, mitochondrial; FLJ20917; MGC22737; MGC9831; Mitochondrial ribosomal protein L24; MRP L18; MRP L24; MRPL 24; OTTHUMP00000038724; OTTHUMP00000038725; OTTHUMP00000038728.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	24kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MRPL24:10-100/216
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 which is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein. [provided by RefSeq, Jul 2008]

**Function:**

MRPL24 is a mitochondrial ribosomal protein (MRP). 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. This is a 39S subunit protein.

**Subcellular Location:**

Mitochondrial

**Similarity:**

Belongs to the ribosomal protein L24P family; Contains 1 KOW domain.

**SWISS:**

Q96A35

**Gene ID:**

75590

**Database links:**

[Entrez Gene: 79590](#) Human

[Entrez Gene: 67707](#) Mouse

[Entrez Gene: 295224](#) Rat

[Omim: 611836](#) Human

[SwissProt: Q96A35](#) Human

[SwissProt: Q9CQ06](#) Mouse

[SwissProt: Q66H47](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

