



Rabbit Anti-MRPL18 antibody

SL17774R

Product Name:	MRPL18
Chinese Name:	Mitochondrion核糖体蛋白L18抗体
Alias:	39S ribosomal protein L18; 39S ribosomal protein L18 mitochondrial; 39S ribosomal protein L18, mitochondrial precursor; HSPC071; L18mt; Mitochondrial ribosomal protein L18; Mitochondrial ribosomal protein L18 (MRPL18 protein); MRP-L18; Mrpl18; RM18 HUMAN; RP1_195P10.3_001.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,Rabbit,
Applications:	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.
Molecular weight:	21kDa
Cellular localization:	cytoplasmicMitochondrion
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MRPL18:61-160/180
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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 that belongs to the L18P ribosomal protein family. Three polymorphic sites exist in this gene, one of which is three nt in length which causes an extra aa near the N-terminus. [provided by RefSeq, Jul 2008]

Function:

Belongs to the ribosomal protein L18P family.

Subcellular Location:

Mitochondrion.

Similarity:

Belongs to the ribosomal protein L18P family.

SWISS:

Q9H0U6

Gene ID:

29074

Database links:

[Entrez Gene: 29074](#) Human

[Omin: 611831](#) Human

[SwissProt: Q9H0U6](#) Human

[Unigene: 416998](#) Human

Important Note:

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