
Product Name: MRP-L4 Rabbit Polyclonal Antibody**Catalog #: APRab14127**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	35kDa

Antigen Information

Gene Name	MRPL4
Alternative Names	MRPL4; CDABP0091; CGI-28; 39S ribosomal protein L4; mitochondrial; L4mt; MRP-L4
Gene ID	51073.0
SwissProt ID	Q9BYD3
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL4. AA range:90-139

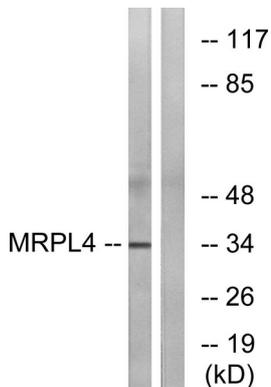
Background

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the

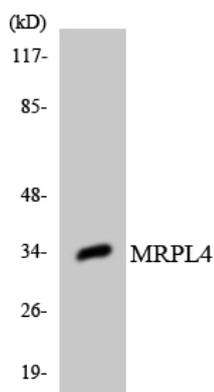
mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes 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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq, Jul 2008],similarity:Belongs to the ribosomal protein L4P family.,

Research Area

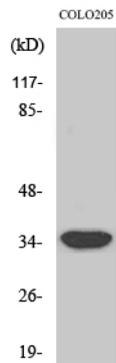
Image Data



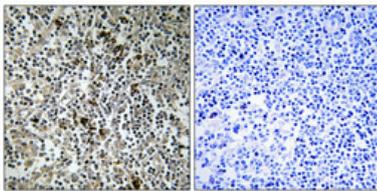
Western blot analysis of lysates from COLO cells, using MRPL4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using MRPL4 antibody.



Western Blot analysis of various cells using MRP-L4 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.