
Product Name: MRP-L44 Rabbit Polyclonal Antibody**Catalog #: APRab14130**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat,Monkey
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 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight	36kDa

Antigen Information

Gene Name	MRPL44
Alternative Names	MRPL44; 39S ribosomal protein L44; mitochondrial; L44mt; MRP-L44
Gene ID	65080.0
SwissProt ID	Q9H9J2
Immunogen	The antiserum was produced against synthesized peptide derived from human MRPL44. AA range:221-270

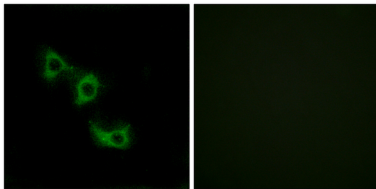
Background

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

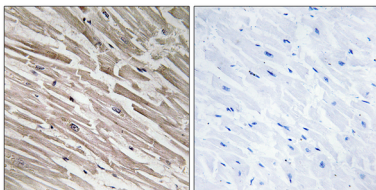
mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes 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. [provided by RefSeq, Jul 2008],function:Component of the 39S subunit of mitochondrial ribosome.,similarity:Contains 1 DRBM (double-stranded RNA-binding) domain.,similarity:Contains 1 RNase III domain.,

Research Area

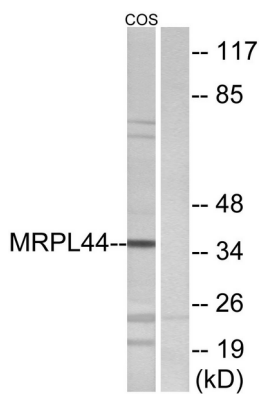
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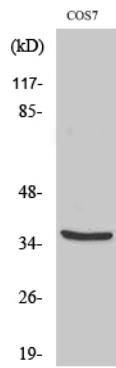
Immunofluorescence analysis of HUVEC cells, using MRPL44 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human heart tissue, using MRPL44 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells, using MRPL44 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using MRP-L44 Polyclonal Antibody