

Product Name: MRP-L52 Rabbit Polyclonal Antibody
Catalog #: APRab14137



Summary

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|------------------------|------------------------------------|
| Production Name | MRP-L52 Rabbit Polyclonal Antibody |
| Description | Rabbit Polyclonal Antibody |
| Host | Rabbit |
| Application | IHC,ELISA |
| Reactivity | Human,Rat,Mouse |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Polyclonal |
| Form | Liquid |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| Buffer | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| Purification | Affinity purification |

Immunogen

| | |
|--------------------------|--|
| Gene Name | MRPL52 |
| Alternative Names | MRPL52; 39S ribosomal protein L52; mitochondrial; L52mt; MRP-L52 |
| Gene ID | 122704.0 |
| SwissProt ID | Q86TS9.The antiserum was produced against synthesized peptide derived from human MRPL52. AA range:71-120 |

Application

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|-------------------------|---------------------------------|
| Dilution Ratio | IF 1:200-1:1000. ELISA: 1:5000. |
| Molecular Weight | |

Background

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

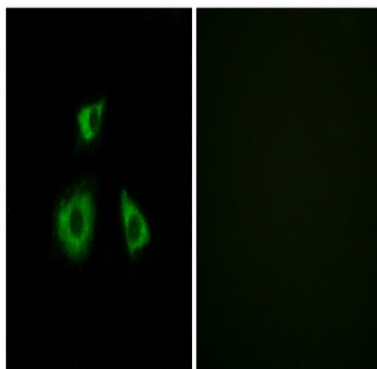
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mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference 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 has no bacterial homolog. Multiple transcript variants encoding different protein isoforms were identified through sequence analysis. [provided by RefSeq, Jul 2008],subunit:Component of the mitochondrial ribosome large subunit (39S) which comprises a 16S rRNA and about 50 distinct proteins.,

Research Area

Image Data



Immunofluorescence analysis of HUVEC cells, using MRPL52 Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.