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MRPL39 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16957b

Specification

MRPL39 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NYK5
Other Accession	NP_059142.2, NP_542984.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38712**
Antigen Region	**302-330**

MRPL39 Antibody (C-term) - Additional Information

Gene ID 54148

Other Names
39S ribosomal protein L39, mitochondrial, L39mt, MRP-L39, 39S ribosomal protein L5, mitochondrial, L5mt, MRP-L5, MRPL39, C21orf92, MRPL5, RPML5

Target/Specificity
This MRPL39 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 302-330 amino acids from the C-terminal region of human MRPL39.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
MRPL39 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL39 Antibody (C-term) - Protein Information

Name MRPL39

Synonyms C21orf92, MRPL5, RPML5

Cellular Location
Mitochondrion

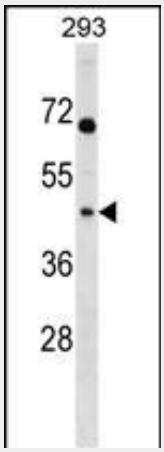
Tissue Location
Isoform 1 is ubiquitously expressed. Isoform 2 is heart-specific

MRPL39 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MRPL39 Antibody (C-term) - Images



MRPL39 Antibody (C-term) (Cat. #AP16957b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MRPL39 antibody detected the MRPL39 protein (arrow).

MRPL39 Antibody (C-term) - 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. Two transcript variants encoding distinct isoforms have been described. A

pseudogene corresponding to this gene is found on chromosome 5q.

MRPL39 Antibody (C-term) - References

Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)
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