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MRPL48 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18736A

Specification

MRPL48 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q96GC5
Other Accession	NP_057139.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**23935**
Antigen Region	**31-59**

MRPL48 Antibody (N-term) - Additional Information

Gene ID 51642

Other Names
39S ribosomal protein L48, mitochondrial, L48mt, MRP-L48, MRPL48

Target/Specificity
This MRPL48 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 31-59 amino acids from the N-terminal region of human MRPL48.

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
MRPL48 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL48 Antibody (N-term) - Protein Information

Name MRPL48

Cellular Location

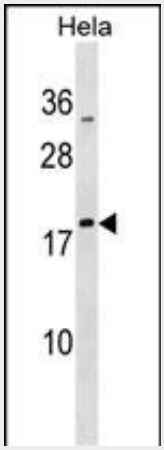
Mitochondrion

MRPL48 Antibody (N-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

MRPL48 Antibody (N-term) - Images



MRPL48 Antibody (N-term)(Cat. #AP18736a) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the MRPL48 antibody detected the MRPL48 protein (arrow).

MRPL48 Antibody (N-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. A pseudogene corresponding to this gene is found on chromosome 6p. [provided by RefSeq].

MRPL48 Antibody (N-term) - References

Fernandez-Ranvier, G.G., et al. World J Surg 32(5):873-881(2008)
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