

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**

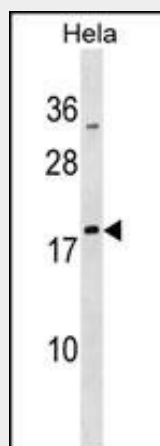
Mitochondrion

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 Cytometry](#)
- [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)
Lamesch, P., et al. Genomics 89(3):307-315(2007)

Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
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