

MRPL1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16945a**Specification**

MRPL1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9BYD6
Other Accession	A6OPQ5 , NP_064621.3
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	36909
Antigen Region	70-97

MRPL1 Antibody (N-term) - Additional Information**Gene ID** 65008**Other Names**

39S ribosomal protein L1, mitochondrial, L1mt, MRP-L1, MRPL1

Target/Specificity

This MRPL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-97 amino acids from the N-terminal region of human MRPL1.

Dilution

WB~~1:1000

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

MRPL1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL1 Antibody (N-term) - Protein Information**Name** MRPL1**Cellular Location**

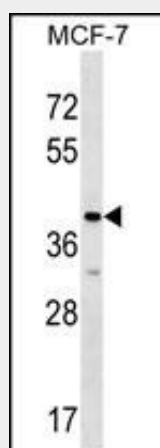
Mitochondrion {ECO:0000250|UniProtKB:A6QPQ5, ECO:0000305|PubMed:11279069}

MRPL1 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](#)

MRPL1 Antibody (N-term) - Images



MRPL1 Antibody (N-term) (Cat. #AP16945a) western blot analysis in MCF-7 cell line lysates (35ug/lane). This demonstrates the MRPL1 antibody detected the MRPL1 protein (arrow).

MRPL1 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 that belongs to the L1 ribosomal protein family.

MRPL1 Antibody (N-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Zhang, Z., et al. Genomics 81(5):468-480(2003)

Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :
Suzuki, T., et al. J. Biol. Chem. 276(24):21724-21736(2001)