

MRPL11 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19151a**Specification**

MRPL11 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9Y3B7
Other Accession	NP_057134.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20683
Antigen Region	36-62

MRPL11 Antibody (N-term) - Additional Information**Gene ID** 65003**Other Names**

39S ribosomal protein L11, mitochondrial, L11mt, MRP-L11, MRPL11

Target/Specificity

This MRPL11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 36-62 amino acids from the N-terminal region of human MRPL11.

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

MRPL11 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL11 Antibody (N-term) - Protein Information**Name** MRPL11**Cellular Location**

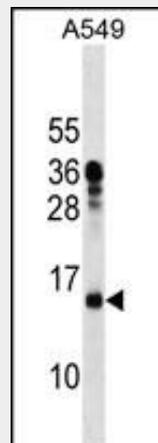
Mitochondrion

MRPL11 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](#)

MRPL11 Antibody (N-term) - Images



MRPL11 Antibody (N-term) (Cat. #AP19151a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the MRPL11 antibody detected the MRPL11 protein (arrow).

MRPL11 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. Sequence analysis identified three transcript variants that encode different isoforms. Pseudogenes corresponding to this gene are found on chromosomes 5q and 12q.

MRPL11 Antibody (N-term) - References

- Dai, M.S., et al. *Cell Cycle* 6(22):2735-2741(2007)
Sun, X.X., et al. *J. Biol. Chem.* 282(11):8052-8059(2007)
Wang, A.G., et al. *Biochem. Biophys. Res. Commun.* 345(3):1022-1032(2006)

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