10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MRPL11 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19151a

Product Information

Application	WB, E
Primary Accession	Q9Y3B7
Other Accession	NP_057134.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB38899
Calculated MW	20683
Antigen Region	36-62

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

Protein Information

Name	MRPL11
Cellular Location	Mitochondrion

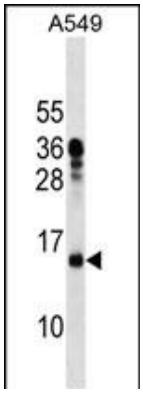
Background

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.

References

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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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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.