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

MRPL9 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13041a

Specification

MRPL9 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q9BYD2
Other Accession	Q2TBK2, NP_113608.1
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**30243**
Antigen Region	**66-95**

MRPL9 Antibody (N-term) - Additional Information

Gene ID 65005

Other Names
39S ribosomal protein L9, mitochondrial, L9mt, MRP-L9, MRPL9

Target/Specificity
This MRPL9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-95 amino acids from the N-terminal region of human MRPL9.

Dilution
WB~~1:1000
IHC-P~~1:10~50

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
MRPL9 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL9 Antibody (N-term) - Protein Information

Name MRPL9

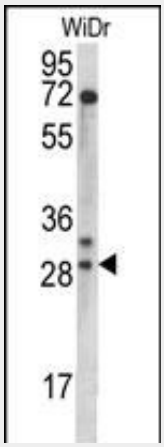
Cellular Location
Mitochondrion

MRPL9 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

MRPL9 Antibody (N-term) - Images



MRPL9 Antibody (N-term) (Cat. #AP13041a) western blot analysis in WiDr cell line lysates (35ug/lane).This demonstrates the MRPL9 antibody detected the MRPL9 protein (arrow).



MRPL9 Antibody (N-term) (Cat. #AP13041a)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary

antibody and DAB staining.This data demonstrates the use of MRPL9 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

MRPL9 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 at 8q21.11. [provided by RefSeq].

MRPL9 Antibody (N-term) - References

Naukkarinen, J., et al. PLoS Genet. 6 (6), E1000976 (2010) :
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Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)
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