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MRPL24 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1940b

Specification

MRPL24 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96A35
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**24915**
Antigen Region	**185-214**

MRPL24 Antibody (C-term) - Additional Information

Gene ID 79590

Other Names
39S ribosomal protein L24, mitochondrial, L24mt, MRP-L24, MRPL24

Target/Specificity
This MRPL24 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 185-214 amino acids from the C-terminal region of human MRPL24.

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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
MRPL24 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL24 Antibody (C-term) - Protein Information

Name MRPL24

Cellular Location
Mitochondrion

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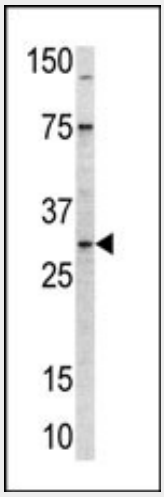
MRPL24 Antibody (C-term) - Protocols

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

MRPL24 Antibody (C-term) - Images



Western blot analysis of anti-MRPL24 Pab (Cat. #AP1940b) in mouse kidney tissue lysate (35ug/lane). MRPL24 (arrow) was detected using the purified Pab.

MRPL24 Antibody (C-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. MRPL24 is a 39S subunit protein which is more than twice the size of its E.coli counterpart (EcoL24).

MRPL24 Antibody (C-term) - References

Zhang, Z., et al., Genomics 81(5):468-480 (2003).
O'Brien, T.W., et al., J. Biol. Chem. 275(24):18153-18159 (2000).
Kenmochi, N., et al., Genomics 77 (1-2), 65-70 (2001).