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MRPL2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17267B

Specification

MRPL2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q5T653
Other Accession	Q2TA12, NP_057034.2
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33301**
Antigen Region	**236-264**

MRPL2 Antibody (C-term) - Additional Information

Gene ID 51069

Other Names
39S ribosomal protein L2, mitochondrial, L2mt, MRP-L2, MRPL2

Target/Specificity
This MRPL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 236-264 amino acids from the C-terminal region of human MRPL2.

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
MRPL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL2 Antibody (C-term) - Protein Information

Name MRPL2

Cellular Location

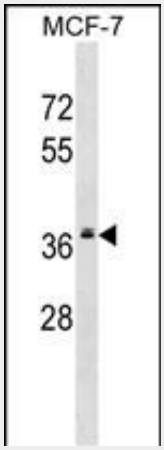
Mitochondrion

MRPL2 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

MRPL2 Antibody (C-term) - Images



MRPL2 Antibody (C-term) (Cat. #AP17267b) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the MRPL2 antibody detected the MRPL2 protein (arrow).

MRPL2 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. This gene encodes a 39S subunit protein that belongs to the EcoL2 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 12q.

MRPL2 Antibody (C-term) - References

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Mungall, A.J., et al. Nature 425(6960):805-811(2003)

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