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MRPL46 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19153B

Specification

MRPL46 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9H2W6
Other Accession	Q3SZ22, NP_071446.2
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**31705**
Antigen Region	**248-274**

MRPL46 Antibody (C-term) - Additional Information

Gene ID 26589

Other Names
39S ribosomal protein L46, mitochondrial, L46mt, MRP-L46, P2ECSL, MRPL46, C15orf4, LIECG2

Target/Specificity
This MRPL46 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 248-274 amino acids from the C-terminal region of human MRPL46.

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
MRPL46 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL46 Antibody (C-term) - Protein Information

Name MRPL46

Synonyms C15orf4, LIECG2

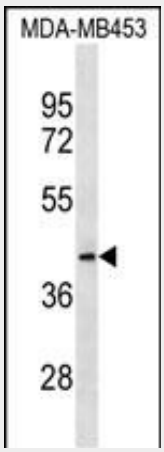
Cellular Location
Mitochondrion

MRPL46 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

MRPL46 Antibody (C-term) - Images



MRPL46 Antibody (C-term) (Cat. #AP19153b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the MRPL46 antibody detected the MRPL46 protein (arrow).

MRPL46 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. [provided by RefSeq].

MRPL46 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Zhang, Z., et al. Genomics 81(5):468-480(2003)
Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)
Carim-Todd, L., et al. DNA Seq. 12(2):91-96(2001)