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MRPL54 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17698c

Specification

MRPL54 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q6P161
Other Accession	NP_758455.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**15819**
Antigen Region	**64-92**

MRPL54 Antibody (Center) - Additional Information

Gene ID 116541

Other Names
39S ribosomal protein L54, mitochondrial, L54mt, MRP-L54, MRPL54

Target/Specificity
This MRPL54 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-92 amino acids from the Central region of human MRPL54.

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
MRPL54 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPL54 Antibody (Center) - Protein Information

Name MRPL54

Cellular Location

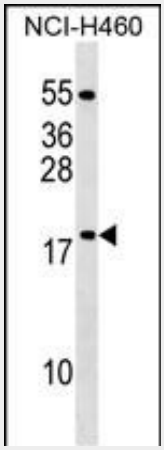
Mitochondrion

MRPL54 Antibody (Center) - 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

MRPL54 Antibody (Center) - Images



MRPL54 Antibody (Center) (Cat. #AP17698c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the MRPL54 antibody detected the MRPL54 protein (arrow).

MRPL54 Antibody (Center) - 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].

MRPL54 Antibody (Center) - References

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)

Adams, M.D., et al. Nature 377 (6547 SUPPL), 3-174 (1995) :