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MRPS11 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17559C

Specification

MRPS11 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	P82912
Other Accession	NP_073750.2, NP_789775.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**20616**
Antigen Region	**42-69**

MRPS11 Antibody (Center) - Additional Information

Gene ID 64963

Other Names
28S ribosomal protein S11, mitochondrial, MRP-S11, S11mt, Cervical cancer proto-oncogene 2 protein, HCC-2, MRPS11, RPMS11

Target/Specificity
This MRPS11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 42-69 amino acids from the Central region of human MRPS11.

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
MRPS11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPS11 Antibody (Center) - Protein Information

Name MRPS11

Synonyms RPMS11

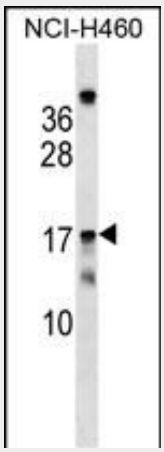
Cellular Location
Mitochondrion.

MRPS11 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

MRPS11 Antibody (Center) - Images



MRPS11 Antibody (Center) (Cat. #AP17559c) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the MRPS11 antibody detected the MRPS11 protein (arrow).

MRPS11 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 28S subunit protein that contains a high level of sequence similarity with ribosomal protein S11P family members. A pseudogene corresponding to this gene is found on chromosome 20. Sequence analysis identified two transcript variants that encode different protein isoforms.

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