

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

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

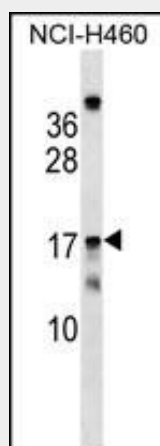
Mitochondrion.

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 Cytometry](#)
- [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.

MRPS11 Antibody (Center) - References

Ishiguchi, H., et al. Int. J. Cancer 111(6):900-909(2004)
Zhang, Z., et al. Genomics 81(5):468-480(2003)
Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :
Suzuki, T., et al. J. Biol. Chem. 276(35):33181-33195(2001)
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