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MRPS23 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18360c

Specification

MRPS23 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q9Y3D9
Other Accession	NP_057154.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**21771**
Antigen Region	**50-76**

MRPS23 Antibody (Center) - Additional Information

Gene ID 51649

Other Names
28S ribosomal protein S23, mitochondrial, MRP-S23, S23mt, MRPS23

Target/Specificity
This MRPS23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-76 amino acids from the Central region of human MRPS23.

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
MRPS23 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPS23 Antibody (Center) - Protein Information

Name MRPS23

Cellular Location
Mitochondrion.

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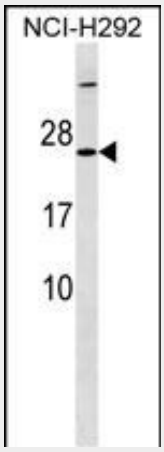
MRPS23 Antibody (Center) - Protocols

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

MRPS23 Antibody (Center) - Images



MRPS23 Antibody (Center) (Cat. #AP18360c) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the MRPS23 Antibody detected the MRPS23 protein (arrow).

MRPS23 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. A pseudogene corresponding to this gene is found on chromosome 7p. [provided by RefSeq].

MRPS23 Antibody (Center) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
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Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :
Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)

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