

MRPS23 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18360c

Specification

MRPS23 Antibody (Center) - Product Information

Application WB,E **Primary Accession** 09Y3D9 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.

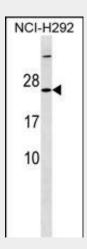


MRPS23 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

MRPS23 Antibody (Center) - Images



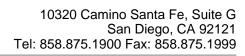
MRPS23 Antibody (Center) (Cat. #AP18360c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the MRPS23 Antibody detected the MRPS23 protein (arrow).

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): Zhang, Z., et al. Genomics 81(5):468-480(2003)
Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001): Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)





Koc, E.C., et al. J. Biol. Chem. 275(42):32585-32591(2000)