

MRPS10 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP18647c

Specification

MRPS10 Antibody (Center) - Product Information

Application WB,E
Primary Accession P82664

Other Accession <u>Q7TQ82</u>, <u>Q80ZK0</u>, <u>P82670</u>, <u>NP_060611.2</u>

Reactivity Human

Predicted Bovine, Mouse, Rat

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 22999
Antigen Region 113-141

MRPS10 Antibody (Center) - Additional Information

Gene ID 55173

Other Names

28S ribosomal protein S10, mitochondrial, MRP-S10, S10mt, MRPS10

Target/Specificity

This MRPS10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-141 amino acids from the Central region of human MRPS10.

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

MRPS10 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPS10 Antibody (Center) - Protein Information

Name MRPS10

Cellular Location



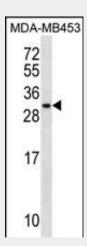
Mitochondrion.

MRPS10 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
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MRPS10 Antibody (Center) - Images



MRPS10 Antibody (Center) (Cat. #AP18647c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the MRPS10 antibody detected the MRPS10 protein (arrow).

MRPS10 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 belongs to the ribosomal protein S10P family. Pseudogenes corresponding to this gene are found on chromosomes 1q, 3p, and 9p. [provided by RefSeq].

MRPS10 Antibody (Center) - References

Lamesch, P., et al. Genomics 89(3):307-315(2007)





Mungall, A.J., et al. Nature 425(6960):805-811(2003) Zhang, Z., et al. Genomics 81(5):468-480(2003) Jia, L., et al. Genomics 79(1):7-17(2002) Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)