

MRPS2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17471a

Specification

MRPS2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9Y399
Other Accession	NP_057118.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33249
Antigen Region	44-71

MRPS2 Antibody (N-term) - Additional Information

Gene ID 51116

Other Names

28S ribosomal protein S2, mitochondrial, MRP-S2, S2mt, MRPS2

Target/Specificity

This MRPS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-71 amino acids from the N-terminal region of human MRPS2.

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

MRPS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MRPS2 Antibody (N-term) - Protein Information

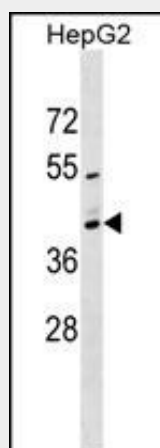
Name MRPS2

Function Required for mitoribosome formation and stability, and mitochondrial translation.

Cellular Location
Mitochondrion.**MRPS2 Antibody (N-term) - 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](#)

MRPS2 Antibody (N-term) - Images

MRPS2 Antibody (N-term) (Cat. #AP17471a) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MRPS2 antibody detected the MRPS2 protein (arrow).

MRPS2 Antibody (N-term) - 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 S2 family.

MRPS2 Antibody (N-term) - References

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)

Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)