

MRPS2 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP17471a

Specification

MRPS2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

Q9Y399

MRPS2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 51116

Other Names

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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MRPS2 Antibody (N-term) Blocking Peptide - Protein Information

Name MRPS2

Function

Required for mitoribosome formation and stability, and mitochondrial translation.

Cellular Location

Mitochondrion.

MRPS2 Antibody (N-term) Blocking Peptide - Protocols

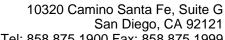
Provided below are standard protocols that you may find useful for product applications.

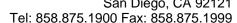
Blocking Peptides

MRPS2 Antibody (N-term) Blocking Peptide - Images

MRPS2 Antibody (N-term) Blocking Peptide - Background

Mammalian mitochondrial ribosomal proteins are encoded bynuclear genes and help in protein synthesis within themitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of asmall 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 mammalianmitoribosomes and prokaryotic ribosomes is that the latter containa 5S rRNA. Among different species, the proteins comprising themitoribosome differ greatly in sequence, and sometimes inbiochemical properties, which prevents easy recognition by sequencehomology. This gene encodes a 28S subunit protein that belongs to the ribosomal protein S2 family.

MRPS2 Antibody (N-term) Blocking Peptide - 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)