abcepta

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

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 estimated75% 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 tothe 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)

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

- [Blocking Peptides](#)