10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MRPS31 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18737c

Specification

MRPS31 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q92665

MRPS31 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 10240

Other Names
28S ribosomal protein S31, mitochondrial, MRP-S31, S31mt, Imogen 38, MRPS31, IMOGN38

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.

MRPS31 Antibody (Center) Blocking Peptide - Protein Information

Name MRPS31

Synonyms IMOGN38

Cellular Location
Mitochondrion.

MRPS31 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

MRPS31 Antibody (Center) Blocking Peptide - Images

MRPS31 Antibody (Center) 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. The 28S subunit of the mammalian mitoribosome may play acrucial and characteristic role in translation initiation. Thisgene encodes a 28S subunit protein that has also been associatedwith type 1 diabetes; however, its relationship to the etiology ofthis disease remains to be clarified. Pseudogenes corresponding tothis gene have been found on chromosomes 3 and 13. [provided byRefSeq].

MRPS31 Antibody (Center) Blocking Peptide - References

Dunham, A., et al. Nature 428(6982):522-528(2004)Zhang, Z., et al. Genomics 81(5):468-480(2003)Tchernev, V.T., et al. Mol. Med. 8(1):56-64(2002)Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)