

MRPS31 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18737c**Specification**

MRPS31 Antibody (Center) Blocking Peptide - Product InformationPrimary 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 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 mitochondria and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitochondria differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. The 28S subunit of the mammalian mitochondria may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that has also been associated with type 1 diabetes; however, its relationship to the etiology of this disease remains to be clarified. Pseudogenes corresponding to this gene have been found on chromosomes 3 and 13. [provided by RefSeq].

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)