

MRPS23 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18360c**Specification**

MRPS23 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9Y3D9](#)**MRPS23 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 51649**Other Names**

28S ribosomal protein S23, mitochondrial, MRP-S23, S23mt, MRPS23

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.

MRPS23 Antibody (Center) Blocking Peptide - Protein Information**Name** MRPS23**Cellular Location**

Mitochondrion.

MRPS23 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MRPS23 Antibody (Center) Blocking Peptide - Images**MRPS23 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 mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among

different species, the proteins comprising the mitochondrion differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. A pseudogene corresponding to this gene is found on chromosome 7p. [provided by RefSeq].

MRPS23 Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Zhang, Z., et al. Genomics 81(5):468-480(2003)Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)Koc, E.C., et al. J. Biol. Chem. 275(42):32585-32591(2000)