

MRPS10 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18647c**Specification**

MRPS10 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P82664](#)**MRPS10 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55173**Other Names**

28S ribosomal protein S10, mitochondrial, MRP-S10, S10mt, MRPS10

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.

MRPS10 Antibody (Center) Blocking Peptide - Protein Information**Name** MRPS10**Cellular Location**

Mitochondrion.

MRPS10 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MRPS10 Antibody (Center) Blocking Peptide - Images**MRPS10 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 that belongs to the ribosomal protein S10P family. Pseudogenes corresponding to this gene are found on chromosomes 1q, 3p, and 9p. [provided by RefSeq].

MRPS10 Antibody (Center) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007) Mungall, A.J., et al. Nature 425(6960):805-811(2003) Zhang, Z., et al. Genomics 81(5):468-480(2003) Jia, L., et al. Genomics 79(1):7-17(2002) Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)