

MRPS22 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19510b**Specification**

MRPS22 Antibody (C-term) Blocking Peptide - Product Information**MRPS22 Antibody (C-term) Blocking Peptide - Additional Information****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.

MRPS22 Antibody (C-term) Blocking Peptide - Protein Information**MRPS22 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

MRPS22 Antibody (C-term) Blocking Peptide - Images**MRPS22 Antibody (C-term) 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 mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that does not seem to have a counterpart in prokaryotic and fungal-mitochondrial ribosomes. This gene lies telomeric of and is transcribed in the opposite direction from the forkhead box L2 gene. A pseudogene corresponding to this gene is found on chromosome Xq. [provided by RefSeq].

MRPS22 Antibody (C-term) Blocking Peptide - References

Emdadul Haque, M., et al. Mitochondrion 8(3):254-261(2008) Saada, A., et al. J. Med. Genet. 44(12):784-786(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Guo, D., et al. Biochem.

Biophys. Res. Commun. 337(4):1308-1318(2005)Crisponi, L., et al. Genomics 83(5):757-764(2004)