

RT18C Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5722b**Specification**

RT18C Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9Y3D5](#)
Other Accession [NP_057151.1](#)

RT18C Antibody (C-term) Blocking peptide - Additional Information

Gene ID 51023

Other Names

28S ribosomal protein S18c, mitochondrial, MRP-S18-c, Mrps18-c, S18mt-c, 28S ribosomal protein S18-1, mitochondrial, MRP-S18-1, MRPS18C

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.

RT18C Antibody (C-term) Blocking peptide - Protein Information

Name MRPS18C

Cellular Location

Mitochondrion.

RT18C Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RT18C Antibody (C-term) Blocking peptide - Images**RT18C 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 mitochondrial ribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitochondrial ribosome 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 S18P family. The encoded protein is one of three that has significant sequence similarity to bacterial S18 proteins. The primary sequences of the three human mitochondrial S18 proteins are no more closely related to each other than they are to the prokaryotic S18 proteins. Pseudogenes corresponding to this gene are found on chromosomes 8p, 12p, 15q, and 22q. [provided by RefSeq].

RT18C Antibody (C-term) Blocking peptide - References

Zhang, Z., et al. Genomics 81(5):468-480(2003) Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)