

RT18A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9746a**Specification**

RT18A Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9NVS2](#)**RT18A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 55168**Other Names**

28S ribosomal protein S18a, mitochondrial, MRP-S18-a, Mrps18a, S18mt-a, 28S ribosomal protein S18-3, mitochondrial, MRP-S18-3, MRPS18A

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.

RT18A Antibody (N-term) Blocking Peptide - Protein Information**Name** MRPS18A**Cellular Location**

Mitochondrion

RT18A Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RT18A Antibody (N-term) Blocking Peptide - Images**RT18A Antibody (N-term) Blocking Peptide - Background**

Mammalian mitochondrial ribosomal proteins 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 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.

RT18A Antibody (N-term) Blocking Peptide - References

Mungall, A.J., et al. Nature 425(6960):805-811(2003)Zhang, Z., et al. Genomics 81(5):468-480(2003)