

RT17 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP4941c**Specification**

RT17 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9Y2R5](#)**RT17 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 51373**Other Names**

28S ribosomal protein S17, mitochondrial, MRP-S17, S17mt, MRPS17, RPMS17

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.

RT17 Antibody (Center) Blocking Peptide - Protein Information**Name** MRPS17**Synonyms** RPMS17**Cellular Location**

Mitochondrion.

RT17 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RT17 Antibody (Center) Blocking Peptide - Images**RT17 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 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 S17P family. The encoded protein is moderately conserved between human mitochondrial and prokaryotic ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 1p, 3p, 6q, 14p, 18q, and Xq.

RT17 Antibody (Center) Blocking Peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Zhang, Z., et al. Genomics 81(5):468-480(2003)Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001)