

RT25 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9851b**Specification**

RT25 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P82663](#)**RT25 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 64432**Other Names**

28S ribosomal protein S25, mitochondrial, MRP-S25, S25mt, MRPS25, RPMS25

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.

RT25 Antibody (C-term) Blocking Peptide - Protein Information**Name** MRPS25**Synonyms** RPMS25**Cellular Location**

Mitochondrion.

RT25 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RT25 Antibody (C-term) Blocking Peptide - Images**RT25 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. A pseudogene corresponding to this gene is found on chromosome 4.

RT25 Antibody (C-term) Blocking Peptide - References

Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :Zhang, Z., et al. Genomics 81(5):468-480(2003)Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)Hattori, A., et al. DNA Res. 7(6):357-366(2000)