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RT33 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP5131b

Specification

RT33 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9Y291

RT33 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 51650

Other Names
28S ribosomal protein S33, mitochondrial, MRP-S33, S33mt, MRPS33

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.

RT33 Antibody (C-term) Blocking Peptide - Protein Information

Name MRPS33

Cellular Location
Mitochondrion.

RT33 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RT33 Antibody (C-term) Blocking Peptide - Images

RT33 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. The 28S subunit of the mammalian mitoribosome may play a crucial and characteristic role in translation initiation. This gene encodes a 28S subunit protein that is one of the more highly conserved mitochondrial ribosomal proteins among mammals, Drosophila and C. elegans.

RT33 Antibody (C-term) Blocking Peptide - References

Tsuritani, K., et al. Genome Res. 17(7):1005-1014(2007)Zhang, Z., et al. Genomics 81(5):468-480(2003)Cavdar Koc, E., et al. J. Biol. Chem. 276(22):19363-19374(2001)