

RM30 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10401c**Specification**

RM30 Antibody (Center) Blocking peptide - Product Information

Primary Accession [O8TCC3](#)
Other Accession [NP_660213.1](#)

RM30 Antibody (Center) Blocking peptide - Additional Information

Gene ID 51263

Other Names

39S ribosomal protein L30, mitochondrial, L30mt, MRP-L30, 39S ribosomal protein L28, mitochondrial, L28mt, MRP-L28, MRPL30, MRPL28, RPML28

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.

RM30 Antibody (Center) Blocking peptide - Protein Information

Name MRPL30

Synonyms MRPL28, RPML28

Cellular Location

Mitochondrion

RM30 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

RM30 Antibody (Center) Blocking peptide - Images**RM30 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 39S subunit protein. Sequence analysis identified at least two transcript variants encoding the same protein. Pseudogenes corresponding to this gene are found on chromosomes 6p and 12p.

RM30 Antibody (Center) Blocking peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007) Hillier, L.W., et al. Nature 434(7034):724-731(2005) Zhang, Z., et al. Genomics 81(5):468-480(2003) Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) : Goldschmidt-Reisin, S., et al. J. Biol. Chem. 273(52):34828-34836(1998)