

MRPL9 Antibody (N-term) Blocking peptide

Synthetic peptide Catalog # BP13041a

Specification

MRPL9 Antibody (N-term) Blocking peptide - Product Information

Primary Accession

Q9BYD2

MRPL9 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 65005

Other Names

39S ribosomal protein L9, mitochondrial, L9mt, MRP-L9, MRPL9

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.

MRPL9 Antibody (N-term) Blocking peptide - Protein Information

Name MRPL9

Cellular LocationMitochondrion

MRPL9 Antibody (N-term) Blocking peptide - Protocols

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

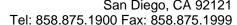
• Blocking Peptides

MRPL9 Antibody (N-term) Blocking peptide - Images

MRPL9 Antibody (N-term) Blocking peptide - Background

Mammalian mitochondrial ribosomal proteins are encoded bynuclear genes and help in protein synthesis within themitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of asmall 28S subunit and a large 39S subunit. They have an estimated75% 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 containa 5S rRNA. Among







different species, the proteins comprising themitoribosome differ greatly in sequence, and sometimes inbiochemical properties, which prevents easy recognition by sequencehomology. This gene encodes a 39S subunit protein. A pseudogenecorresponding to this gene is found at 8q21.11. [provided byRefSeq].

MRPL9 Antibody (N-term) Blocking peptide - References

Naukkarinen, J., et al. PLoS Genet. 6 (6), E1000976 (2010): Zhang, Z., et al. Genomics 81(5):468-480(2003)Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Suzuki, T., et al. J. Biol. Chem. 276(24):21724-21736(2001)