

MRPL39 Antibody (C-term) Blocking Peptide

Synthetic peptide Catalog # BP16957b

Specification

MRPL39 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession

Q9NYK5

MRPL39 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 54148

Other Names

39S ribosomal protein L39, mitochondrial, L39mt, MRP-L39, 39S ribosomal protein L5, mitochondrial, L5mt, MRP-L5, MRPL39, C21orf92, MRPL5, RPML5

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.

MRPL39 Antibody (C-term) Blocking Peptide - Protein Information

Name MRPL39

Synonyms C21orf92, MRPL5, RPML5

Cellular Location

Mitochondrion

Tissue Location

Isoform 1 is ubiquitously expressed. Isoform 2 is heart-specific

MRPL39 Antibody (C-term) Blocking Peptide - Protocols

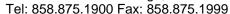
Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides

MRPL39 Antibody (C-term) Blocking Peptide - Images

MRPL39 Antibody (C-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 estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalianmitoribosomes 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. Two transcriptvariants encoding distinct isoforms have been described. Apseudogene corresponding to this gene is found on chromosome 5g.

MRPL39 Antibody (C-term) Blocking Peptide - References

Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)Zhang, Z., et al. Genomics 81(5):468-480(2003)O'Brien, T.W. Gene 286(1):73-79(2002)Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Spirina, O., et al. Gene 261(2):229-234(2000)