

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 - 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. Two transcript variants encoding distinct isoforms have been described. A pseudogene corresponding to this gene is found on chromosome 5q.

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)

MRPL39 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)