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MRPL11 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP19151a

Specification

MRPL11 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9Y3B7

MRPL11 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 65003

Other Names
39S ribosomal protein L11, mitochondrial, L11mt, MRP-L11, MRPL11

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.

MRPL11 Antibody (N-term) Blocking Peptide - Protein Information

Name MRPL11

Cellular Location
Mitochondrion

MRPL11 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MRPL11 Antibody (N-term) Blocking Peptide - Images

MRPL11 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 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. Sequenceanalysis identified three transcript variants that encode differentisoforms. Pseudogenes corresponding to this gene are found onchromosomes 5q and 12q.

MRPL11 Antibody (N-term) Blocking Peptide - References

Dai, M.S., et al. Cell Cycle 6(22):2735-2741(2007)Sun, X.X., et al. J. Biol. Chem. 282(11):8052-8059(2007)Wang, A.G., et al. Biochem. Biophys. Res. Commun. 345(3):1022-1032(2006)Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)Voronina, E.N., et al. Mol. Biol. (Mosk.) 37(3):425-435(2003)