

### MRPL11 Antibody (N-term) Blocking Peptide

Synthetic peptide Catalog # BP19151a

### **Specification**

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

**Primary Accession** 

**09Y3B7** 

# 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 mammalian mitoribosomes and prokaryotic ribosomes is that the latter containa 5S rRNA. Among





Tel: 858.875.1900 Fax: 858.875.1999

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 5g 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)