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# MRPL1 Antibody (N-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP16945a**

## Specification

### MRPL1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9BYD6

### MRPL1 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 65008

**Other Names**
39S ribosomal protein L1, mitochondrial, L1mt, MRP-L1, MRPL1

**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.

### MRPL1 Antibody (N-term) Blocking Peptide - Protein Information

**Name** MRPL1

**Cellular Location**
Mitochondrion {ECO:0000250|UniProtKB:A6QPQ5, ECO:0000305|PubMed:11279069}

### MRPL1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

### MRPL1 Antibody (N-term) Blocking Peptide - Images

### MRPL1 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 that belongs tothe L1 ribosomal protein family.

**MRPL1 Antibody (N-term) Blocking Peptide - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Lamesch, P., et al. Genomics 89(3):307-315(2007)Zhang, Z., et al. Genomics 81(5):468-480(2003)Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Suzuki, T., et al. J. Biol. Chem. 276(24):21724-21736(2001)