

**MRPL48 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18736a****Specification**

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**MRPL48 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q96GC5](#)**MRPL48 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 51642**Other Names**

39S ribosomal protein L48, mitochondrial, L48mt, MRP-L48, MRPL48

**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.

**MRPL48 Antibody (N-term) Blocking Peptide - Protein Information****Name** MRPL48**Cellular Location**

Mitochondrion

**MRPL48 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MRPL48 Antibody (N-term) Blocking Peptide - Images****MRPL48 Antibody (N-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 mitochondrion differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. A pseudogene corresponding to this gene is found on chromosome 6p. [provided by RefSeq].

#### **MRPL48 Antibody (N-term) Blocking Peptide - References**

Fernandez-Ranvier, G.G., et al. World J Surg 32(5):873-881(2008) Lamesch, P., et al. Genomics 89(3):307-315(2007) Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005) Zhang, Z., et al. Genomics 81(5):468-480(2003) Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)