

**MRPL46 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19153b****Specification**

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**MRPL46 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9H2W6](#)**MRPL46 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 26589**Other Names**

39S ribosomal protein L46, mitochondrial, L46mt, MRP-L46, P2ECSL, MRPL46, C15orf4, LIECG2

**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.

**MRPL46 Antibody (C-term) Blocking Peptide - Protein Information****Name** MRPL46**Synonyms** C15orf4, LIECG2**Cellular Location**

Mitochondrion

**MRPL46 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MRPL46 Antibody (C-term) Blocking Peptide - Images****MRPL46 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 mitochondria 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. [provided by RefSeq].

#### **MRPL46 Antibody (C-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)Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)Carim-Todd, L., et al. DNA Seq. 12(2):91-96(2001)