

**MRPL24 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1940b****Specification**

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**MRPL24 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q96A35](#)**MRPL24 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 79590**Other Names**

39S ribosomal protein L24, mitochondrial, L24mt, MRP-L24, MRPL24

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1940b](/product/products/AP1940b) was selected from the C-term region of human MRPL24. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**MRPL24 Antibody (C-term) Blocking Peptide - Protein Information****Name** MRPL24**Cellular Location**

Mitochondrion

**MRPL24 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**MRPL24 Antibody (C-term) Blocking Peptide - Images****MRPL24 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 mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. MRPL24 is a 39S subunit protein which is more than twice the size of its E.coli counterpart (EcoL24).

#### **MRPL24 Antibody (C-term) Blocking Peptide - References**

Zhang, Z., et al., Genomics 81(5):468-480 (2003). O'Brien, T.W., et al., J. Biol. Chem. 275(24):18153-18159 (2000). Kenmochi, N., et al., Genomics 77 (1-2), 65-70 (2001).