

MRPL24 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP1940a**Specification**

MRPL24 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q96A35](#)**MRPL24 Antibody (N-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 [AP1940a](/product/products/AP1940a) was selected from the N-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 (N-term) Blocking Peptide - Protein Information**Name** MRPL24**Cellular Location**

Mitochondrion

MRPL24 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MRPL24 Antibody (N-term) Blocking Peptide - Images**MRPL24 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 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 (N-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).