

MICALL1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9643b

Specification

MICALL1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O16540](#)

MICALL1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6150

Other Names

39S ribosomal protein L23, mitochondrial, L23mt, MRP-L23, L23 mitochondrial-related protein, Ribosomal protein L23-like, MRPL23, L23MRP, RPL23L

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.

MICALL1 Antibody (C-term) Blocking Peptide - Protein Information

Name MRPL23

Synonyms L23MRP, RPL23L

Cellular Location

Mitochondrion

MICALL1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MICALL1 Antibody (C-term) Blocking Peptide - Images**MICALL1 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. This protein is a 39S subunit protein.

MICALL1 Antibody (C-term) Blocking Peptide - References

Song, H., et al. Hum. Mol. Genet. 18(12):2297-2304(2009) Sun, X.X., et al. J. Biol. Chem. 282(11):8052-8059(2007) Zhang, Z., et al. Genomics 81(5):468-480(2003)