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MRPL55 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP9718b

Specification

MRPL55 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q7Z7F7

MRPL55 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 128308

Other Names
39S ribosomal protein L55, mitochondrial, L55mt, MRP-L55, MRPL55

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.

MRPL55 Antibody (C-term) Blocking Peptide - Protein Information

Name MRPL55

Cellular Location
Mitochondrion

MRPL55 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MRPL55 Antibody (C-term) Blocking Peptide - Images

MRPL55 Antibody (C-term) Blocking Peptide - Background

Mammalian mitochondrial ribosomal proteins 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. MRPL55 is a 39S subunit protein.

MRPL55 Antibody (C-term) Blocking Peptide - References

Tsuritani, K., et al. Genome Res. 17(7):1005-1014(2007)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)Zhang, Z., et al. Genomics 81(5):468-480(2003)