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RM44 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP5726a

Specification

RM44 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	Q9H9J2
Other Accession	NP_075066.1

RM44 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 65080

Other Names
39S ribosomal protein L44, mitochondrial, L44mt, MRP-L44, 3126-, MRPL44

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.

RM44 Antibody (N-term) Blocking peptide - Protein Information

Name MRPL44

Function
Component of the 39S subunit of mitochondrial ribosome. May have a function in the assembly/stability of nascent mitochondrial polypeptides exiting the ribosome.

Cellular Location
Mitochondrion

RM44 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

RM44 Antibody (N-term) Blocking peptide - Images

RM44 Antibody (N-term) Blocking peptide - Background

Mammalian mitochondrial ribosomal proteins are encoded bynuclear genes and help in protein synthesis within themitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of asmall 28S subunit and a large 39S subunit. They have an estimated75% protein to rRNA composition compared to prokaryotic ribosomes,where this ratio is reversed. Another difference between mammalianmitoribosomes and prokaryotic ribosomes is that the latter containa 5S rRNA. Among different species, the proteins comprising themitoribosome differ greatly in sequence, and sometimes inbiochemical properties, which prevents easy recognition by sequencehomology. This gene encodes a 39S subunit protein. [provided byRefSeq].

RM44 Antibody (N-term) Blocking peptide - References

Zhang, Z., et al. Genomics 81(5):468-480(2003)Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001)