

MRPL9 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13041a**Specification**

MRPL9 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q9BYD2](#)**MRPL9 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 65005**Other Names**

39S ribosomal protein L9, mitochondrial, L9mt, MRP-L9, MRPL9

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.

MRPL9 Antibody (N-term) Blocking peptide - Protein Information**Name** MRPL9**Cellular Location**

Mitochondrion

MRPL9 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

MRPL9 Antibody (N-term) Blocking peptide - Images**MRPL9 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 mitochondrion differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. A pseudogene corresponding to this gene is found at 8q21.11. [provided by RefSeq].

MRPL9 Antibody (N-term) Blocking peptide - References

Naukkarinen, J., et al. PLoS Genet. 6 (6), E1000976 (2010) :Zhang, Z., et al. Genomics 81(5):468-480(2003) Koc, E.C., et al. J. Biol. Chem. 276(47):43958-43969(2001) Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Suzuki, T., et al. J. Biol. Chem. 276(24):21724-21736(2001)