

MRP63 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16939c**Specification**

MRP63 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [O9BQC6](#)**MRP63 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 78988**Other Names**

Ribosomal protein 63, mitochondrial, hMRP63, Mitochondrial ribosomal protein 63, Mitochondrial ribosomal protein L57, MRPL57, MRP63

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.

MRP63 Antibody (Center) Blocking Peptide - Protein Information**Name** MRPL57**Synonyms** MRP63**Cellular Location**

Mitochondrion

MRP63 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MRP63 Antibody (Center) Blocking Peptide - Images**MRP63 Antibody (Center) 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 mitochondria and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitochondria differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a protein which belongs to an undetermined ribosomal subunit and which seems to be specific to animal mitochondria. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 3p, 5q, 8q, 14q, and Y. [provided by RefSeq].

MRP63 Antibody (Center) Blocking Peptide - References

Zhang, Z., et al. Genomics 81(5):468-480(2003) Kenmochi, N., et al. Genomics 77 (1-2), 65-70 (2001) :Suzuki, T., et al. J. Biol. Chem. 276(35):33181-33195(2001)