



Human MRPL3 blocking peptide (CDBP1907)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Blocking/Immunizing peptide for anti-MRPL3 antibody |
| Antigen Description | 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 gene encodes a 39S subunit protein that belongs to the L3P ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 13q. [provided by RefSeq, Jul 2008] |
| Species | Human |
| Conjugate | Unconjugated |
| Applications | Apuri, BL, ELISA |
| Format | Lyophilized powder |
| Size | 100 µg |
| Preservative | None |
| Storage | Shipped at ambient temperature, store at -20°C. |

GENE INFORMATION

Gene Name [MRPL3 mitochondrial ribosomal protein L3 \[Homo sapiens \]](#)

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| Official Symbol | MRPL3 |
| Synonyms | MRPL3; mitochondrial ribosomal protein L3; RPML3; 39S ribosomal protein L3, mitochondrial; MRL3; L3mt; MRP-L3; mitochondrial 60S ribosomal protein L3; COXPD9; |
| Entrez Gene ID | 11222 |
| mRNA Refseq | NM_007208 |
| Protein Refseq | NP_009139 |
| UniProt ID | P09001 |
| Chromosome Location | 3q21-q23 |
| Function | RNA binding; structural constituent of ribosome; |