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# RM33 Antibody (C-term) Blocking peptide
**Synthetic peptide**
**Catalog # BP13878b**

## Specification

### RM33 Antibody (C-term) Blocking peptide - Product Information

Primary Accession O75394

### RM33 Antibody (C-term) Blocking peptide - Additional Information

**Gene ID** 9553

**Other Names**
39S ribosomal protein L33, mitochondrial, L33mt, MRP-L33, MRPL33, C2orf1

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody AP13878b was selected from the C-term region of RM33. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

### RM33 Antibody (C-term) Blocking peptide - Protein Information

**Name** MRPL33

**Synonyms** C2orf1

**Cellular Location**
Mitochondrion

### RM33 Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

### RM33 Antibody (C-term) Blocking peptide - Images

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## RM33 Antibody (C-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. Alternativelyspliced transcript variants encoding different isoforms have beendescribed.

## RM33 Antibody (C-term) Blocking peptide - References

Hillier, L.W., et al. Nature 434(7034):724-731(2005)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(24):21724-21736(2001)