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# C12orf65 Antibody (C-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP18048b**

## Specification

### C12orf65 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H3J6

### C12orf65 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 91574

**Other Names**
Probable peptide chain release factor C12orf65, mitochondrial, C12orf65

**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.

### C12orf65 Antibody (C-term) Blocking Peptide - Protein Information

**Name** MTRFR (HGNC:26784)

**Function**
Part of a mitoribosome-associated quality control pathway that prevents aberrant translation by responding to interruptions during elongation (PubMed:<a href="http://www.uniprot.org/citations/33243891" target="_blank">33243891</a>). As heterodimer with MTRES1, ejects the unfinished nascent chain and peptidyl transfer RNA (tRNA), respectively, from stalled ribosomes. Recruitment of mitoribosome biogenesis factors to these quality control intermediates suggests additional roles for MTRES1 and MTRF during mitoribosome rescue (PubMed:<a href="http://www.uniprot.org/citations/33243891" target="_blank">33243891</a>).

**Cellular Location**
Mitochondrion

**Tissue Location**
Expressed in all areas of the brain tested.

### C12orf65 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

**C12orf65 Antibody (C-term) Blocking Peptide - Images**

**C12orf65 Antibody (C-term) Blocking Peptide - Background**

C12orf65 may act as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion (By similarity).

**C12orf65 Antibody (C-term) Blocking Peptide - References**

Antonicka, H., et al. Am. J. Hum. Genet. 87(1):115-122(2010)Lamesch, P., et al. Genomics 89(3):307-315(2007)