

**MEX3C Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP20253b

**Specification**

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**MEX3C Blocking Peptide (C-term) - Product Information**

Primary Accession

[Q5U5Q3](#)

Other Accession

[Q05A36](#), [NP\\_057710.3](#)**MEX3C Blocking Peptide (C-term) - Additional Information**

Gene ID 51320

**Other Names**

RNA-binding E3 ubiquitin-protein ligase MEX3C, 632-, RING finger and KH domain-containing protein 2, RING finger protein 194, MEX3C, RKHD2, RNF194

**Target/Specificity**

The synthetic peptide sequence is selected from aa 551-564 of HUMAN MEX3C

**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.

**MEX3C Blocking Peptide (C-term) - Protein Information**

Name MEX3C

Synonyms RKHD2, RNF194

**Function**

E3 ubiquitin ligase responsible for the post-transcriptional regulation of common HLA-A allotypes. Binds to the 3' UTR of HLA-A2 mRNA, and regulates its levels by promoting mRNA decay. RNA binding is sufficient to prevent translation, but ubiquitin ligase activity is required for mRNA degradation.

**Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly expressed in the cytoplasm and shuttles between the cytoplasm and the nucleus through the CRM1 export pathway. May act as suppressor of replication stress and chromosome missegregation

**Tissue Location**

Highest levels found in fetal brain and testis. Also expressed in thymus, salivary gland and uterus. Highly expressed in cells of the innate immune system, in particular activated NK cells. Weak expression in the intestine.

### **MEX3C Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

### **MEX3C Blocking Peptide (C-term) - Images**

### **MEX3C Blocking Peptide (C-term) - Background**

This gene encodes a member of a family of proteins with two K homology (KH) RNA-binding domains and a C-terminal RING-finger domain. The protein interacts with mRNA via the KH domains, and the protein shuttles between the nucleus and cytoplasm. Polymorphisms in this gene may contribute to hypertension.

### **MEX3C Blocking Peptide (C-term) - References**

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :  
Buchet-Poyau, K., et al. Nucleic Acids Res. 35(4):1289-1300(2007)  
Guzman, B., et al. Hypertension 48(5):883-891(2006)  
Nusbaum, C., et al. Nature 437(7058):551-555(2005)