

**FAM168B Blocking Peptide (C-term)**  
**Synthetic peptide**  
**Catalog # BP21018c****Specification**

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**FAM168B Blocking Peptide (C-term) - Product Information**

Primary Accession [A1KXE4](#)  
Other Accession [D4AEP3](#), [Q80XQ8](#), [A8E639](#)

**FAM168B Blocking Peptide (C-term) - Additional Information**

**Gene ID** 130074

**Other Names**

Myelin-associated neurite-outgrowth inhibitor, Mani, p20, FAM168B, KIAA0280L, MANI

**Target/Specificity**

The synthetic peptide sequence is selected from aa 165-179 of HUMAN FAM168B

**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.

**FAM168B Blocking Peptide (C-term) - Protein Information**

**Name** FAM168B

**Synonyms** KIAA0280L, MANI

**Function**

Inhibitor of neuronal axonal outgrowth. Acts as a negative regulator of CDC42 and STAT3 and a positive regulator of STMN2. Positive regulator of CDC27.

**Cellular Location**

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:D4AEP3}. Cell membrane {ECO:0000250|UniProtKB:Q80XQ8}; Multi-pass membrane protein {ECO:0000250|UniProtKB:Q80XQ8}. Cell projection, axon {ECO:0000250|UniProtKB:Q80XQ8}. Note=Expressed in neuronal cell bodies and axonal fibers. {ECO:0000250|UniProtKB:Q80XQ8}

**Tissue Location**

Expressed in the brain, within neuronal axonal fibers and associated with myelin sheets (at protein level). Expression tends to be lower in the brain of Alzheimer disease patients compared to healthy

individuals (at protein level)

### **FAM168B Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)

### **FAM168B Blocking Peptide (C-term) - Images**

### **FAM168B Blocking Peptide (C-term) - Background**

Modulates neuronal axonal outgrowth by acting as a negative regulator of CDC42 and STAT3 and a positive regulator of STMN2. Positive regulator of CDC27 (By similarity).

### **FAM168B Blocking Peptide (C-term) - References**

Mishra M.,et al.J. Cell. Mol. Med. 15:1713-1725(2011).  
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.  
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).  
Mishra M.,et al.FEBS Lett. 586:3018-3023(2012).