

FAM168B Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21190c**Specification**

FAM168B Blocking Peptide (Center) - Product InformationPrimary Accession [A1KXE4](#)**FAM168B Blocking Peptide (Center) - 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 105-119 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 (Center) - 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 (Center) - Protocols

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

- [Blocking Peptides](#)

FAM168B Blocking Peptide (Center) - Images**FAM168B Blocking Peptide (Center) - 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 (Center) - 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).