

**NTN1 Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP20462b

**Specification****NTN1 Blocking Peptide (C-term) - Product Information**

Primary Accession [Q95631](#)  
Other Accession [Q2HXL4](#), [Q09118](#),  
[Q90922](#)

**NTN1 Blocking Peptide (C-term) - Additional Information****Gene ID** 9423**Other Names**Netrin-1, Epididymis tissue protein Li 131P,  
NTN1, NTN1L**Target/Specificity**

The synthetic peptide sequence is selected from aa 583-596 of Human NTN1

**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.

**NTN1 Blocking Peptide (C-term) - Protein Information****Name** NTN1**Synonyms** NTN1L**Function**

Netrins control guidance of CNS commissural axons and peripheral motor

**NTN1 Blocking Peptide (C-term) - Background**

Netrins control guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Involved in tumorigenesis by regulating apoptosis.

**NTN1 Blocking Peptide (C-term) - References**

Meyerhardt J.A., et al. Cell Growth Differ. 10:35-42(1999).  
Zody M.C., et al. Nature 440:1045-1049(2006).  
Li J., et al. Mol. Cell. Proteomics 9:2517-2528(2010).  
Mazelin L., et al. Nature 431:80-84(2004).  
Liu G., et al. Proc. Natl. Acad. Sci. U.S.A. 106:2951-2956(2009).

axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. Binding to UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:<a href="http://www.uniprot.org/citations/28483977" target="\_blank">28483977</a>). Involved in dorsal root ganglion axon projection towards the spinal cord (PubMed:<a href="http://www.uniprot.org/citations/28483977" target="\_blank">28483977</a>). It also serves as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Involved in tumorigenesis by regulating apoptosis (PubMed:<a href="http://www.uniprot.org/citations/15343335" target="\_blank">15343335</a>).

**Cellular Location**

Secreted. Cytoplasm. Note=Mainly secreted

**Tissue Location**

Widely expressed in normal adult tissues with highest levels in heart, small intestine, colon, liver and prostate Reduced expression in brain tumors and neuroblastomas. Expressed in epididymis (at protein level).

**NTN1 Blocking Peptide (C-term) - Protocols**

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

- [Blocking Peptides](#)