

**NTN1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20462b**

**Specification**

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**NTN1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O95631</a>
Other Accession	<a href="#">Q2HXW4</a> , <a href="#">O09118</a> , <a href="#">Q90922</a>
Reactivity	Human
Predicted	Chicken, Mouse, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67748
Antigen Region	568-596

**NTN1 Antibody (C-term) - Additional Information**

**Gene ID** 9423

**Other Names**

Netrin-1, Epididymis tissue protein Li 131P, NTN1, NTN1L

**Target/Specificity**

This NTN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 568-596 amino acids from the C-terminal region of human NTN1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

NTN1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**NTN1 Antibody (C-term) - Protein Information**

**Name** NTN1

**Synonyms** NTN1L

**Function** 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. Binding to UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in microtubules and thereby lead to increased microtubule dynamics and axon repulsion (PubMed:[28483977](#)). Involved in dorsal root ganglion axon projection towards the spinal cord (PubMed:[28483977](#)). 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:[15343335](#)).

#### **Cellular Location**

Secreted. Cytoplasm. Note=Mainly secreted

#### **Tissue Location**

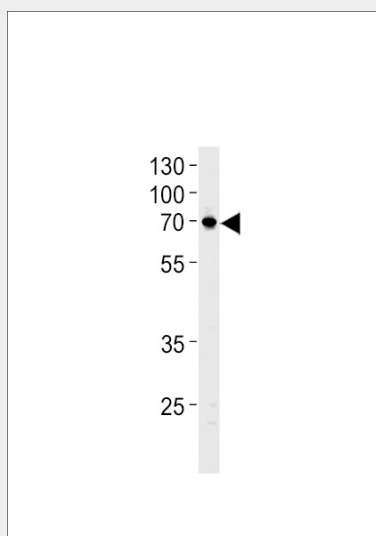
Widely expressed in normal adult tissues with highest levels in heart, small intestine, colon, liver and prostate. Reduced expression in brain tumors and neuroblastomas. Expressed in epididymis (at protein level).

### **NTN1 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **NTN1 Antibody (C-term) - Images**



NTN1 Antibody (C-term) (Cat. #AP20462b) western blot analysis in U87-MG cell line lysates (35ug/lane). This demonstrates the NTN1 antibody detected the NTN1 protein (arrow).

### **NTN1 Antibody (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 Antibody (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).