10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NTN1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20462b

Product Information

Application	WB, E
Primary Accession	O95631
Other Accession	Q2HXW4, O09118, Q90922
Reactivity	Human, Rat, Mouse
Predicted	Chicken, Mouse, Pig, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	67748
Antigen Region	568-596

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 E~~Use at an assay dependent concentration.
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.

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).

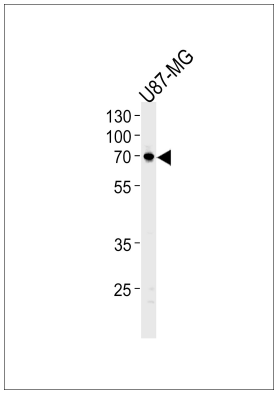
Background

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.

References

Meyerhardt J.A., et al. Cell Growth Differ. 10:35-42(1999).
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Liu G., et al. Proc. Natl. Acad. Sci. U.S.A. 106:2951-2956(2009).

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.