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Anti-Netrin 1 Antibody

Catalog # AP51402

Product Information

Application	WB, IHC
Primary Accession	O95631
Reactivity	Human, Mouse, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67748

Additional Information

Gene ID	9423
Other Names	NTN1L; Netrin-1; Epididymis tissue protein Li 131P
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Netrin 1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

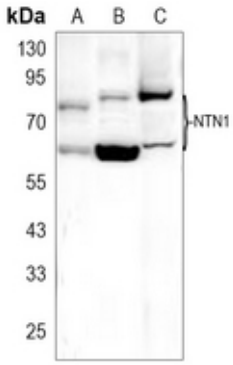
Name	NTN1
Synonyms	NTN1L
Function	Netrins control guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. Binding to UNC5C might cause dissociation of UNC5C from polymerized TUBB3 in 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).

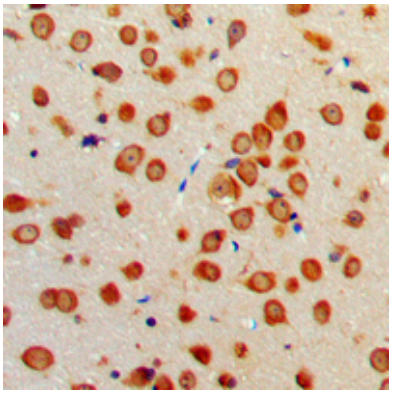
References

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Mazelin L.,et al.Nature 431:80-84(2004).
Liu G.,et al.Proc. Natl. Acad. Sci. U.S.A. 106:2951-2956(2009).

Images



Western blot analysis of Netrin 1 expression in Hela (A), U87MG (B), CT26 (C) whole cell lysates. (Predicted band size: 67 kD; Observed band size: 66 kD)



Immunohistochemical analysis of Netrin 1 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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