

Anti-Netrin 1/NTN1 Antibody Picoband®

Catalog Number: PA1662

About NTN1

Netrin-1 (NTN1), also known as NTN1L, is a diffusible protein made by floor plate cells. Netrin-1 is found in the floor plate and neuroepithelial cells of the ventral region of the spinal cord, as well as other locations in the nervous system including the somatic mesoderm, pancreas and cardiac muscle. The human NTN1 gene is mapped to chromosome 17p13-p12 by FISH. Netrin-1 can attract spinal commissural axons and repel trochlear axons in vitro. And netrin-1 expression confers a selective advantage for tumor cell survival. The binding of netrin-1 to DCC appears to depend on the presence of a coreceptor or accessory proteins. Adenosine A2b receptor is actually a netrin-1 receptor and induces cAMP accumulation on binding netrin-1, and that netrin-1-dependent outgrowth of dorsal spinal cord axons directly involves A2b. Netrin-1 can promote intestinal tumor development, probably by regulating cell survival. Thus, a netrin-1 receptor or receptors function as conditional tumor suppressors. Expression of Unc5b triggered endothelial cell repulsion in response to netrin-1 in vitro, whereas a truncated Unc5b lacking the intracellular signaling domain failed to induce repulsion.

Overview

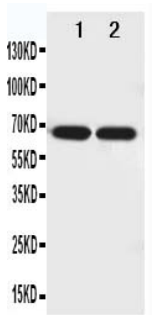
Product Name	Anti-Netrin 1/NTN1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Netrin 1/NTN1 Antibody catalog # PA1662. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O95631

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Netrin 1, identical to the related rat and mouse sequences.
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Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-Netrin 1/NTN1 Antibody Picoband® (PA1662) Images



Anti-Netrin 1 antibody, PA1662, Western blotting
Lane 1: U87 Cell Lysate
Lane 2: COLO320 Cell Lysate

2 Publications Citing This Product

1. PubMed ID: 21193949, Qian-Hua W, Shao-Ping Z, Jian-Wen Z, Yun Y, Li Z. Mol Cell Biochem. 2011 Apr;350(1-2):81-7. Doi: 10.1007/S11010-010-0684-2. Epub 2010 Dec 31. Reduced Expression Of Netrin-1 Is Associated With Fetal Growth Restriction.

2. PubMed ID: 20714878, Zhong S, Zou L, Zhao Y, Hu B, Xie H. J Huazhong Univ Sci Technolog Med Sci. 2010 Aug;30(4):500-4. Doi: 10.1007/S11596-010-0457-X. Epub 2010 Aug 17. Effect Of Different Concentrations Of Neogenin On Proliferation, Apoptosis And Related Proliferativ...

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