

Datasheet for ABIN3031963
anti-Netrin 1 antibody (AA 32-51)



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2 Images

Overview

Quantity:	100 µg
Target:	Netrin 1 (NTN1)
Binding Specificity:	AA 32-51
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Netrin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 32-51 (AGQAAQPDPDPCSDENGHPRRC) were used as the immunogen for this Netrin 1 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	Netrin 1 (NTN1)
Alternative Name:	Netrin 1 (NTN1 Products)
Background:	Netrin-1 (NTN1), also known as NTN1L, is a diffusible protein made by floor plate cells. It 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

Target Details

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 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 its receptor and induces cAMP accumulation on binding netrin-1, and that dependent outgrowth of dorsal spinal cord axons directly involves A2b. Netrin-1 can promote intestinal tumor development, probably by regulating cell survival. Thus, a receptor or receptors function as conditional tumor suppressors.

UniProt: [O95631](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the Netrin 1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL

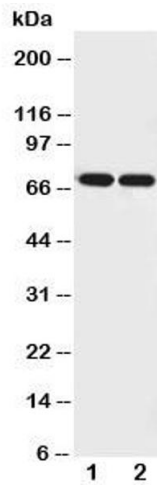
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

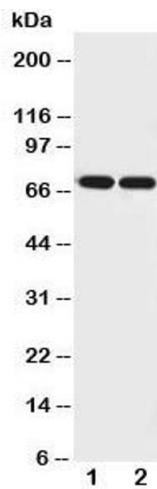
Storage: -20 °C

Storage Comment: After reconstitution, the Netrin 1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



Western Blotting

Image 1. Western blot testing of Netrin 1 antibody and Lane 1: U87



Western Blotting

Image 2. Western blot testing of Netrin 1 antibody and Lane 1: U87; 2: COLO320 cell lysate. Observed size: 67~75KD