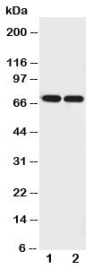
Netrin 1 Antibody / NTN1 (R30747)

Catalog No.	Formulation	Size
R30747	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O95631
Applications	Western blot: 0.5-1ug/ml
Limitations	This Netrin 1 antibody is available for research use only.



Western blot testing of Netrin 1 antibody and Lane 1: U87; 2: COLO320 cell lysate.
Expected molecular weight: 68-75 kDa depending on glycosylation level.

Description

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 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.

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.

Immunogen

Amino acids 32-51 (AGQAAQPDPCSDENGHPRRC) were used as the immunogen for this Netrin 1 antibody (100% homologous in human, mouse and rat).

Storage

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

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