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# Datasheet for ABIN1406918

# anti-Netrin 3 antibody (AA 401-500) (HRP)



# Overview

Quantity:	100 μL
Target:	Netrin 3 (Ntn3)
Binding Specificity:	AA 401-500
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Netrin 3 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human NTN3/Netrin-3
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Sheep,Pig
Purification:	Purified by Protein A.

# **Target Details**

Target:	Netrin 3 (Ntn3)
Alternative Name:	NTN3/Netrin-3 (Ntn3 Products)

### **Target Details**

Background:

Synonyms: NET3\_HUMAN, Netrin-2-like protein, Netrin-3, NTN2L, NTN3.

Background: Netrin proteins are a family of laminin-related secreted proteins that provide guidance signals for axonal growth and cell migration during development. Netrin signaling is dependent on the concentration of calcium outside the cell and the level of PKA activity. In axonal cells, a reduction in PKA activity converts the responsiveness of the axons to the netrin proteins as the cells are repelled, rather than attracted, by the netrin gradient. Neogenin serves as the primary guidance receptor for netrin-3. Netrin-2 and the corresponding mouse homolog netrin-3 are expressed primarily in the lower two-thirds of the spinal cord, and, like netrin-1, they can either attract or repel commissural axons at a distance. Netrin-3 proteins are associated with the axon fibers projecting from motor neurons and from neurons within sympathetic and sensory ganglia, suggesting that netrin-3 may be involved in pathfinding and fasciculation of axon projection. Neogenin serves as the primary guidance receptor for netrin-3. During peripheral nerve development, high netrin-3 expression has been detected in mesenchymal cells, sensory ganglia and muscles. In humans, the gene encoding for the netrin-3 protein is localized to chromosome 16p13.3.

Pathways:

Regulation of Muscle Cell Differentiation

# **Application Details**

**Application Notes:** 

WB 1:300-5000

IHC-P 1:200-400

IHC-F 1:100-500

Restrictions:

For Research Use only

## Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish

# Handling

	peroxidase.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months