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Datasheet for ABIN1386385 anti-Netrin 3 antibody (AA 401-500)



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 un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC) |

Product Details

| Immunogen: | KLH conjugated synthetic peptide derived from human NTN3/Netrin-3 |
|-----------------------|---|
| Isotype: | lgG |
| Cross-Reactivity: | Human, Rat |
| Predicted Reactivity: | Mouse,Dog,Cow,Sheep,Pig |
| Purification: | Purified by Protein A. |
| Target Details | |
| Target: | Netrin 3 (Ntn3) |

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| Target Details | |
|---------------------|---|
| Alternative Name: | NTN3/Netrin-3 (Ntn3 Products) |
| 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 |
| | ELISA 1:500-1000 |
| | |

| | IHC-F 1:100-500 |
|----------------|---|
| | IF(IHC-P) 1:50-200 |
| | IF(IHC-F) 1:50-200 |
| | IF(ICC) 1:50-200 |
| | ICC 1:100-500 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |

IHC-P 1:200-400

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Handling

| Preservative: | ProClin |
|--------------------|--|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |