



## Rabbit Anti-Netrin 4 antibody

SL10065R

|                               |  |
|-------------------------------|--|
| <b>Product Name:</b>          | Netrin 4   |
| <b>Chinese Name:</b>          | 轴突生长诱导因子4抗体  |
| <b>Alias:</b>                 | Beta netrin; Beta-netrin; Hepar derived netrin like protein; Hepar-derived netrin-like protein; NET4_HUMAN; Netrin-4; Netrin4; NTN 4; NTN4.  |
| <b>Organism Species:</b>      | Rabbit   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,  |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight:</b>      | 70kDa  |
| <b>Cellular localization:</b> | The cell membraneExtracellular matrixSecretory protein   |
| <b>Form:</b>                  | Lyophilized or Liquid  |
| <b>Concentration:</b>         | 1mg/ml   |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human Netrin 4:520-628/628   |
| <b>Lsotype:</b>               | IgG  |
| <b>Purification:</b>          | affinity purified by Protein A   |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.  |
| <b>PubMed:</b>                | <a href="#">PubMed</a>   |
| <b>Product Detail:</b>        | 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. Netrin-4 is related to the Laminin $\beta$ chains, and is therefore also designated $\beta$ - |

netrin. It is present in the basement membranes of the vasculature, lateral olfactory tract, kidney and ovary. In humans, the gene encoding for the netrin-4 protein is localized to chromosome 12q22-q23. High levels of netrin-4 mRNA have also been detected in many cells and tissues, including cerebral cortex, hippocampus, amygdaloid nuclei and Purkinje cells. Netrin-4 is important in neural, kidney and vascular development.

**Function:**

May play an important role in neural, kidney and vascular development. Promotes neurite elongation from olfactory bulb explants.

**Subunit:**

May form a homodimer.

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component.

**Tissue Specificity:**

Expressed in kidney, spleen, mammary gland, aorta, heart, ovary, prostate and fetal spleen.

**Similarity:**

Contains 3 laminin EGF-like domains.  
Contains 1 laminin N-terminal domain.  
Contains 1 NTR domain.

**SWISS:**

Q9HB63

**Gene ID:**

59277

**Database links:**

[Entrez Gene: 59277](#)Human

[Entrez Gene: 57764](#)Mouse

[Omim: 610401](#)Human

[SwissProt: Q9HB63](#)Human

[SwissProt: Q9JI33](#)Mouse

[Unigene: 201034](#)Human

[Unigene: 483868](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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