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# Rabbit Anti-Neurturin antibody

SL0073R

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| **Product Name:** | Neurturin |
| **Chinese Name:** | 神经营养因子抗体 |
| **Alias:** | Neurturin precursor; Neurturin; NRTN; NTN; NRTN_HUMAN. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Dog,Cow, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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. |
| **Molecular weight:** | 21kDa |
| **Cellular localization:** | Secretory protein |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human Neurturin:151-197/197 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | 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. |
| **PubMed:** | PubMed |
| **Product Detail:** | Human Neurturin (NTN) and Human GDNF comprise a family of TGF-beta related neurotrophic factor which have trophic influences on a variety of neuronal populations. Neurturin promotes the survival of certain sympathetic and sensory neurins through interaction with distinct set of GDNF-like receptors<br><br>**Function:**<br>Supports the survival of sympathetic neurons in culture. May regulate the development |

and maintenance of the CNS. Might control the size of non-neuronal cell population such as haemopoietic cells.

**Subunit:**
Homodimer; disulfide-linked.

**Subcellular Location:**
Secreted.

**DISEASE:**
Note=Genetic variations in NRTN may contribute to Hirschsprung disease, in association with mutations of RET gene, and possibly mutations in other loci. Hirschsprung disease is a disorder of neural crest development is characterized by the absence of intramural ganglion cells in the hindgut, often resulting in intestinal obstruction.

**Similarity:**
Belongs to the TGF-beta family. GDNF subfamily.

**SWISS:**
Q99748

**Gene ID:**
4902

**Database links:**

Entrez Gene: 4902Human

Entrez Gene: 18188Mouse

Entrez Gene: 84423Rat

Omim: 602018Human

SwissProt: Q99748Human

SwissProt: P97463Mouse

Unigene: 234775Human

Unigene: 8074Mouse

Unigene: 21952Rat

**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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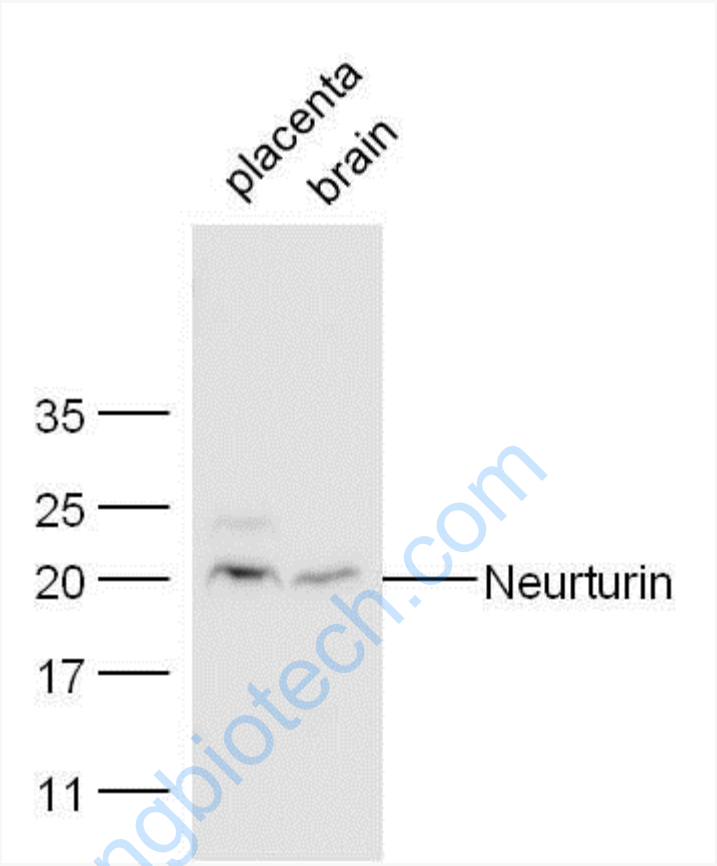
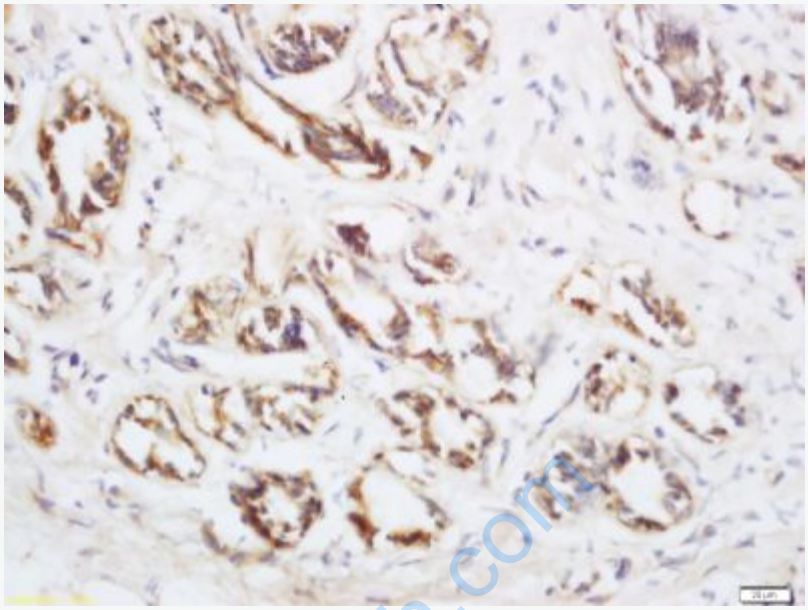
| **Picture:** |  <br>Sample:<br>Placenta(Mouse)lysate at 30 ug;<br>Brain(Mouse) lysate at 30 ug;<br>Primary: Anti- Neurturin (SL0073R) at 1:300 dilution;<br>Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0073R) at 1: 5000 dilution;<br>Predicted band size: 21 kD<br>Observed band size: 21 kD |



Tissue/cell: human breast carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-Neurturin Polyclonal Antibody, Unconjugated(SL0073R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining