

Datasheet for ABIN500336  
**anti-Neurturin antibody (AA 178-193)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	0.1 mg
Target:	Neurturin (NRTN)
Binding Specificity:	AA 178-193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Neurturin antibody was raised against a peptide corresponding to amino acids 178 to 193 of human neurturin.
Isotype:	IgG
Specificity:	This antibody detects Neurturin.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography

## Target Details

Target:	Neurturin (NRTN)
Alternative Name:	Neurturin ( <a href="#">NRTN Products</a> )

## Target Details

**Background:** Glial cell line-derived neurotrophic factor (GDNF) plays key roles in the control of vertebrate neuron survival and differentiation. A novel neurotrophic factor was recently cloned from human and mouse and designated neurturin. Physiological responses to neurturin (NTN) require the presence of receptor tyrosine kinase RET and a novel glycosylphosphatidylinositol linked receptor NTN $\alpha$ . The cDNAs encoding NTN $\alpha$  from human, rat, chicken, and mouse have been cloned recently (3-8) and termed GDNFRb, Ret ligand 2 (RETL2) or TGF- $\beta$ -related neurotrophic factor receptor 2 (TrnR2) and nominated as GFR $\alpha$ -2 recently. NTN binds to and forms a complex with GFR $\alpha$ -2 and the Ret PTK and activates the RET receptor tyrosine kinase pathway. Both NTN and GDNF can activate the MAP kinase and phosphatidylinositol 3-kinase pathways and play a critical role in the development of many neuronal populations. Neurturin and GDNF define a new family of neurotrophic factors. Synonyms: NRTN

**Gene ID:** 4902

**NCBI Accession:** [NP\\_004549](#)

**UniProt:** [Q99748](#)

## Application Details

**Application Notes:** ELISA. Western blot. Immunohistochemistry on paraffin sections.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

**Restrictions:** For Research Use only

## Handling

**Buffer:** PBS containing 0.02 % sodium azide

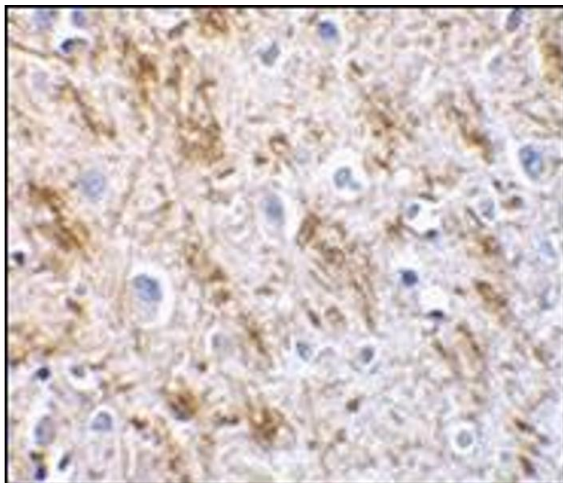
**Preservative:** Sodium azide

**Precaution of Use:** This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Handling Advice:** Avoid repeated freezing and thawing.

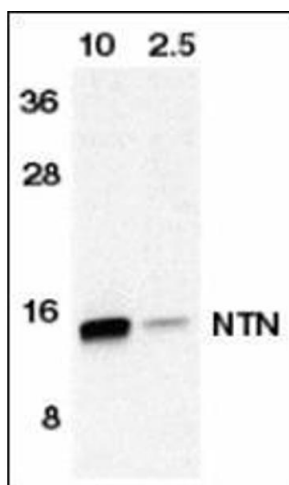
**Storage:** 4 °C/-20 °C

**Storage Comment:** Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of neurturin in human brain tissue with this product at 5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of NTN in HeLa cell lysate containing 10 or 2.5 ng of full length recombinant NTN with this product at 1:500.