

Datasheet for ABIN1886843
anti-Neurturin antibody (AA 178-193)



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Overview

Quantity:	100 µL
Target:	Neurturin (NRTN)
Binding Specificity:	AA 178-193
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurturin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Peptide corresponding to amino acids 178 to 193 of human neurturin.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	Neurturin (NRTN)
Alternative Name:	Neurturin (NRTN Products)
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 α . The cDNAs encoding NTN α from human, rat, chicken, and mouse

Target Details

have been cloned recently and termed GDNFRbeta, Ret ligand 2 (RETL2) or TGF-beta-related neurotrophic factor receptor 2 (TrnR2) and nominated as GFRalpha-2 recently. NTN binds to and forms a complex with GFRalpha-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.

Molecular Weight: 14 kDa

NCBI Accession: [NP_004549](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: WARNING: Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Handling Advice: Avoid freezing and thawing repeatedly.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term use. Store at -20 °C for long term preservation.