

Datasheet for ABIN6990244
anti-Neurturin antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	Neurturin (NRTN)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Neurturin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Neurturin antibody was raised against a 16 amino acid peptide near the carboxy terminus of human Neurturin. The immunogen is located within the last 50 amino acids of Neurturin.
Isotype:	IgG
Purification:	Neurturin Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Neurturin (NRTN)
Alternative Name:	Neurturin (NRTN Products)
Background:	Neurturin Antibody: Glial cell line-derived neurotrophic factor (GDNF) plays key roles in the control of vertebrate neuron survival and differentiation. A novel neurotrophic factor was

Target Details

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

Gene ID: 4902

NCBI Accession: [NP_004549](#)

UniProt: [Q99748](#)

Application Details

Application Notes: Neurturin antibody can be used for detection of neurturin by Western blot. An approximate 14 kDa band of the full length recombinant NTN was detected. Antibody can also be used for immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 5 μ g/mL.

Antibody validated: Western Blot in human samples, Immunohistochemistry in human and mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Neurturin Antibody is supplied in 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

Storage: -20 °C, 4 °C

Storage Comment: Neurturin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.