

Product datasheet for **TA305946**

Neurturin (NRTN) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500, IHC: 5 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	neurturin antibody was raised against a peptide corresponding to amino acids 178 to 193 of human neurturin .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	neurturin
Database Link:	NP_004549 Entrez Gene 4902 Human Q99748



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Background:

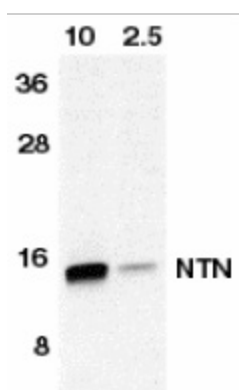
Glial cell line-derived neurotrophic factor (GDNF) plays key roles in the control of vertebrate neuron survival and differentiation. A novel neurotrophic factor was recently cloned from human and mouse and designated neurturin. Physiological responses to neurturin (NTN) require the presence of receptor tyrosine kinase RET and a novel glycosylphosphatidylinositol linked receptor NTN α . The cDNAs encoding NTN α from human, rat, chicken, and mouse have been cloned recently (3-8) 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.

Synonyms:

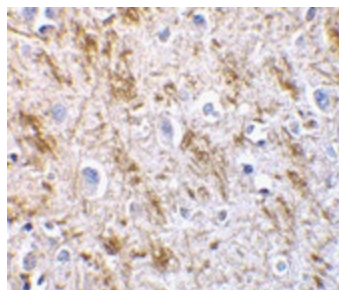
NTN

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Western blot analysis of NTN in HeLa cell lysate containing 10 or 2.5 ng of full length recombinant NTN with neurturin antibody at 1:500.



Immunohistochemistry of neurturin in human brain tissue with neurturin antibody at 5 ug/ml.