

Anti-Neurturin Antibody

ORDERING INFORMATION

Catalog No.: 1121

Size: 100 ug IgG in PBS, pH 7.4,
purified by immunoaffinity chroma-
tography.

BACKGROUND

Glial cell line-derived neurotrophic factor (GDNF) plays a key role in the control of vertebrate neuron survival and differentiation. A novel neurotrophic factor was recently cloned from human and mouse and designated neurturin. (NTN). Physiological responses to NTN require the presence of receptor tyrosine kinase RET and a novel glycosylphosphatidylinositol linked receptor NTNR α . The cDNAs encoding NTNR α from human, rat, chicken, and mouse have been cloned and referred to as GFR α -2, GDNFR β , Ret ligand 2 (RETL2), and TGF- β -related neurotrophic factor receptor 2 (TmR2). NTN 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.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 178-193 of human neurturin.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, neurturin (14 kD).

APPLICATIONS

Immunoblotting: use at 1:500 dilution.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.