

Anti-GFR α -2 Antibody

ORDERING INFORMATION

Catalog No.: 1135

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

BACKGROUND

Members of the glial cell line-derived neurotrophic factor (GDNF) family, including GDNF and neurturin (NTN), play key roles in the control of vertebrate neuronal survival and differentiation. Physiological responses to NTN require the presence of a novel glycosylphosphatidylinositol linked protein, NTNR α , which is a cell surface receptor for NTN. The cDNAs encoding NTNR α from human, rat, chicken, and mouse have been cloned. NTNR α has also been referred to as GFR α -2, GDNFR β , Ret ligand 2 (RETL2), and TGF- β -related neurotrophic factor receptor 2 (TmR2). GFR α -2 binds NTN and mediates activation of RET receptor tyrosine kinase by both NTN and GDNF. Thus, NTN, GFR α -2, and the Ret PTK form a complex to transmit the NTN signal and to mediate NTN function.

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

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 377-391 of human GFR α -2. This peptide sequence is identical to those of mouse and rat.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, mouse, and rat GFR α -2 (52 kD).

APPLICATIONS

Immunoblotting: use at 1:1,000-1:2,000 dilution.

Positive control: Whole cell lysate of HeLa cells.

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 -20oC. Avoid multiple freeze-thaw cycles.