

Anti-GFR α -3 Antibody

ORDERING INFORMATION

Catalog No.: 1137

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. A new member of the GDNF family was recently identified and designated persephin. Physiological responses to these neurotrophic factors require two receptor subunits, the novel glycosylphosphatidylinositol linked protein GFR α and Ret receptor tyrosine kinase GFR β . Following the identification of GFR α -1 and -2, another receptor in the GFR family was identified in human and mouse and designated GFR α -3. GFR α -3 binds persephin. Thus, persephin, GFR α -3, and Ret PTK form a complex to transmit the persephin signal and to mediate persephin function.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 347-360 of mouse GFR α -3.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, mouse, and rat GFR α -3 (approx. 43 kD).

APPLICATIONS

Immunoblotting: use at 1:500-1:1,000 dilution.

Positive control: Tissue lysates of mouse kidney, liver, or heart.

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.