

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-GFR α -1 Antibody

ORDERING INFORMATION

Catalog No.: 1133

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

BACKGROUND

Glial cell line-derived neurotrophic factor (GDNF) is a potent survival factor for central and peripheral neurons and is essential for the development of the kidney and the enteric nervous system. Physiological responses to GDNF require the presence of a novel glycosylphosphatidylinositol linked protein, GDNFR α , a cell surface receptor for GDNF. The cDNAs encoding GDNFR α from human, rat, chicken, and mouse have been cloned. GDNFR α has also been referred to as GFR α -1, Ret ligand 1 (RETL1) and TGF- β -related neurotrophic factor receptor 1 (TmR1). GFR α -1 binds GDNF specifically and mediates activation of the Ret protein tyrosine kinase (PTK). Thus, GDNF, GFR α , and the Ret PTK form a complex to transmit the GDNF signal and to mediate GDNF function. GFR α -1 has been identified in brain, liver, kidney, and spleen.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 369-382 of human GFR α -1. 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 -1 (approx. 50 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.