
GFR alpha 1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253306

Unit: 0.1 mg

Description:

Glial cell line-derived neurotrophic factor (GDNF) is a potent survival factor for central and peripheral neurons and is essential for the development of kidneys and the enteric nerves system. Physiological responses to GDNF require the presence of a novel glycosylphosphatidylinositol linked protein GDNFRalpha, which is a cell surface receptor for GDNF. The cDNAs encoding GDNFRalpha from human, rat, chicken and mouse have been cloned recently. GDNFRalpha was also termed Ret ligand 1 (RET1) or TGF-beta-related neurotrophic factor receptor 1 (TrnR1) and nominated as GFRalpha-1 recently. GFRalpha-1 binds GDNF specifically and mediates activation of the Ret protein tyrosine kinase (PTK). Thus, GDNF, GFRalpha and the Ret PTK form a complex to transduce GDNF signal and to mediate GDNF function.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by DEAE chromatography.

Alternate Names: GFR alpha 1 ; GFR alpha 1; GFRa-1; GDNFRa; GDNFRalpha

Accession No.: P56159

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human GFR alpha 1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.