

GFR α -1 Polyclonal Antibody

CATALOG #:	6201-100
AMOUNT:	100 μ g
LOT #:	_____
HOST:	Rabbit
IMMUNOGEN:	Synthetic Peptide to amino acids 369-382 of human GFR α -1

FORMULATION:

100 μ g (0.5 mg/ml) immunoaffinity purified rabbit anti-GFR α -1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

SPECIES REACTIVITY: Human, mouse, rat

STORAGE CONDITIONS:

Store at -20°C. For optimal storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND 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 GDNFR α , which is a cell surface receptor for GDNF. The cDNA encoding GDNFR α from human, rat, chicken and mouse have been cloned recently. GDNFR α was also termed Ret ligand 1 (RETL1) or TGF- β -related neurotrophic factor receptor 1 (TrnR1) and nominated as GFR α -1 recently. 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 transduce GDNF signal and to mediate GDNF function.

APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-4 μ g/ml). However, the optimal conditions should be determined individually.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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