

## GDNF Polyclonal Antibody

<b>CATALOG NO:</b>	5098-30T      30 µg (Trial size) 5098-100      100 µg
<b>CONCENTRATION:</b>	0.5 mg/ml
<b>HOST:</b>	Rabbit
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 195 of mouse GDNF
<b>INTERNAL ID:</b>	BV-337
<b>SPECIES REACTIVITY:</b>	Human, mouse, rat

### FORMULATION:

0.5 mg/ml protein A affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% ProClin®.

### STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/defrost cycles.

### BACKGROUND:

Glial cell line-derived neurotrophic factor (GDNF) has been identified as a potent neurotrophic factor that enhances survival of midbrain dopaminergic neurons. GDNF is a glycosylated, disulfide-bonded homodimer. It promotes the survival and morphological differentiation of dopaminergic neurons and increases their high-affinity dopamine uptake. On the basis of these findings, it has been suggested that GDNF may play a role in the treatment of Parkinson's disease, which is marked by progressive degeneration of midbrain dopaminergic neurons.

### SPECIFICITY:

The antibody recognizes GDNF of human, mouse, and rat origins. Jurkat cell lysate can be used as a positive control.

### APPLICATION:

The antibody has been used in Western blotting (0.5-4 µg/ml). Based on researcher's feedback, the antibody also works in immunoprecipitation (10-20 µg/ml), and immunohistochemistry (10-20 µg/ml). However, the optimal concentrations should be determined individually.

### RELATED PRODUCTS:

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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

#### Cell Proliferation & Senescence

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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

#### Cell Damage & Repair

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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
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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- Cloning Insert Quick Screening Kit
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
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#### Growth Factors and Cytokines