

## Rabbit GDNF Monoclonal Antibody | anti-GDNF antibody

GDNF Antibody

|                               |                       |                                        |                                                                       |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------------------|
| CATALOG #<br><b>AAA312502</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------------------|

### PRODUCT SYNONYMS

GDNF; Monoclonal Antibody; GDNF Antibody; Astrocyte derived trophic factor antibody; Astrocyte derived trophic factor 1 antibody; Astrocyte-derived trophic factor antibody; ATF 1 antibody; ATF 2 antibody; Atf antibody; ATF1 antibody; ATF2 antibody; gdnf antibody; GDNF\_HUMAN antibody; Glial cell derived neurotrophic factor antibody; Glial Cell Line Derived Neurotrophic Factor antibody; Glial cell line-derived neurotrophic factor antibody; Glial derived neurotrophic factor antibody; HFB1 GDNF antibody; hGDNF antibody; HSCR3 antibody; anti-GDNF antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                 |
| Reactivity                                     | Human, Mouse, Rat                                                      |
| Clonality                                      | Monoclonal                                                             |
| Clone Number                                   | JA93-10                                                                |
| Purity/Purification                            | ProA affinity purified                                                 |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide. |
| Applicable Applications for anti-GDNF antibody | FCM/FACS (Flow Cytometry), WB (Western Blot)                           |
| Antibody Type                                  | Recombinant Antibody                                                   |
| Immunogen                                      | Recombinant protein                                                    |
| Conjugation                                    | Unconjugated                                                           |
| Preparation and Storage                        | Store at -20 degree C.                                                 |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Flow cytometric analysis of SH-SY5Y cells with GDNF antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



#### WB (Western Blot)

Western blot analysis of GDNF on HepG2 cell using anti-GDNF antibody at 1/1,000 dilution.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-GDNF antibody

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 and is a distantly related member of the TGFbeta superfamily of growth regulatory ligands. GDNF contains the seven conserved cysteine residues in the same relative spacing characteristic of all members of the TGFbeta superfamily. In embryonic midbrain cultures, GDNF 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 have utility in the treatment of Parkinson's disease, which is marked by progressive degeneration of midbrain dopaminergic neurons.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 493796159                                                                                                           |
| NCBI GeneID                      | 2668                                                                                                                |
| NCBI Accession #                 | NP_001265027.1                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_001278098.1                                                                                                      |
| UniProt Accession #              | P39905; O95448; O95449; O95986; Q6FH33; Q96L44; Q9UD32; Q9UD33; Q9UMV2; Q9UP67; Q9UP97; B7WPK7 ; AAB33493; AAB33494 |
| Molecular Weight                 | 23,720 Da                                                                                                           |
| NCBI Official Full Name          | glial cell line-derived neurotrophic factor isoform 5                                                               |
| NCBI Official Synonym Full Names | glial cell derived neurotrophic factor                                                                              |
| NCBI Official Symbol             | GDNF                                                                                                                |
| NCBI Official Synonym Symbols    | ATF1; ATF2; HSCR3; HFB1-GDNF                                                                                        |
| NCBI Protein Information         | glial cell line-derived neurotrophic factor; ATF; astrocyte-derived trophic factor                                  |
| UniProt Protein Name             | Glial cell line-derived neurotrophic factor                                                                         |
| UniProt Gene Name                | <b>GDNF</b>                                                                                                         |
| UniProt Synonym Gene Names       | hGDNF; ATF                                                                                                          |
| UniProt Entry Name               | GDNF_HUMAN                                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)

Online datasheet: <https://stage.aaabiotech.com/monoclonal/gdnf-antibody-clone-ja93-10-flow-cytometry-western-blot-elisa/312502>