

GDNF polyclonal antibody

Catalog: BS90569

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 and is a distantly related member of the TGF β superfamily of growth regulatory ligands. GDNF contains the seven conserved cysteine residues in the same relative spacing characteristic of all members of the TGF β 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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

24 kDa

Swiss-Prot:

P39905(Human) P48540(Mouse) Q07731(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

FC:1:50-1:200

ICC:1:50-1:200

IHC:1:50-1:200

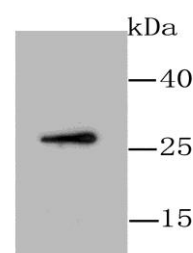
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

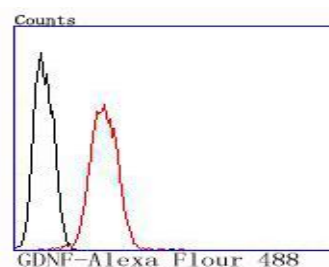
Specificity:

GDNF polyclonal antibody detects endogenous levels of GDNF protein.

DATA:



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



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).

Note:

For research use only, not for use in diagnostic procedure.

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