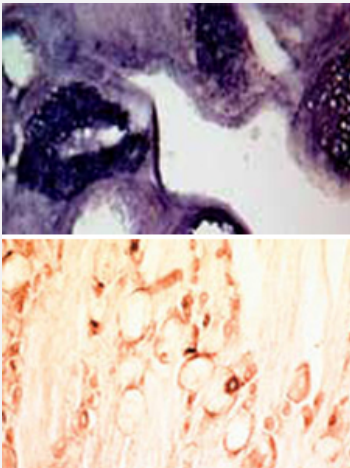


GDNF polyclonal antibody

Catalog # PAB14339

Size 50 ug

Applications



Immunohistochemistry

Immunohistochemical staining of Glial Derived Neurotrophic Factor (GDNF) in rat dorsal root ganglia using GDNF polyclonal antibody (Cat # PAB14339).

Specification

Product Description	Sheep polyclonal antibody raised against recombinant GDNF.
Immunogen	Recombinant protein corresponding to human GDNF.
Host	Sheep
Reactivity	Human, Mouse, Rat
Specificity	No cross reactivity with NTN has been observed in western blot analysis.
Form	Lyophilized
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (1 ug/mL) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS.

Storage Instruction

Store at -20°C on dry atmosphere.

After reconstitution with 50 uL of sterile water, store at -20°C for a higher stability, and at 4°C with an appropriate antibacterial agent. Glycerol (1:1) may be added for an additional stability.

Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

- Immunohistochemistry

Immunohistochemical staining of Glial Derived Neurotrophic Factor (GDNF) in rat dorsal root ganglia using GDNF polyclonal antibody (Cat # PAB14339).

Gene Info — GDNF

Entrez GeneID [2668](#)

Protein Accession# [P39905](#)

Gene Name GDNF

Gene Alias ATF1, ATF2, HFB1-GDNF

Gene Description glial cell derived neurotrophic factor

Omim ID [142623](#) [171300](#) [209880](#) [600837](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease. [provided by RefSeq]

Other Designations astrocyte-derived trophic factor|glial cell line derived neurotrophic factor|glial derived neurotrophic factor

Publication Reference

- [GDNF: a glial cell line-derived neurotrophic factor for midbrain dopaminergic neurons.](#)

Lin LF, Doherty DH, Lile JD, Bektesh S, Collins F.

Science 1993 May; 260(5111):1130.

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hirschsprung Disease](#)
- [Hydronephrosis](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mental Disorders](#)
- [Narcolepsy](#)
- [Neoplasm Invasiveness](#)
- [Schizophrenia](#)
- [Skin Neoplasms](#)
- [Sleep Apnea](#)
- [Tourette Syndrome](#)
- [Vesico-Ureteral Reflux](#)