

For Research Use Only

# GDNF Polyclonal antibody

Catalog Number: 26179-1-AP

1 Publications



## Basic Information

Catalog Number:

26179-1-AP

Concentration:

450 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24068

GenBank Accession Number:

BC069369

GeneID (NCBI):

2668

UNIPROT ID:

P39905

Full Name:

glial cell derived neurotrophic factor

Calculated MW:

211 aa, 24 kDa

Observed MW:

32-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : DU 145 cells, HEK-293 cells, PC-3 cells, U-251 cells, U-87 MG cells

IHC : mouse brain tissue,

IF/ICC : SH-SY5Y cells,

## Background Information

Glial-derived neurotrophic factor (GDNF) is a member of the transforming growth factor (TGF)- $\alpha$  family and exhibits potent neuroprotective activity. GDNF is a potent promoter of neuronal survival in the CNS and peripheral nervous system (PNS). It has a relatively high specificity for dopaminergic neurons and thus become an effective treatment for Parkinson's diseases (PD), with clinical trials currently in progress. Protein dimers of GDNF have a reported molecular weight of 32-40 kDa (PMID: 17982417, PMID: 23251488, PMID: 11429269).

## Notable Publications

| Author     | Pubmed ID | Journal     | Application |
|------------|-----------|-------------|-------------|
| Jingtao Gu | 39855379  | Cancer Lett | WB, IHC     |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

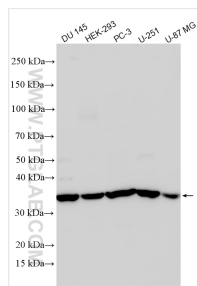
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

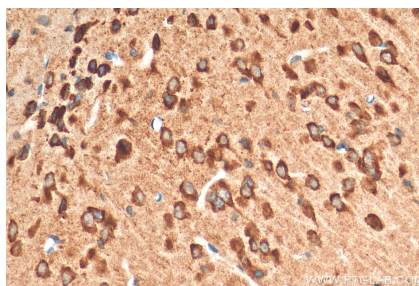
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

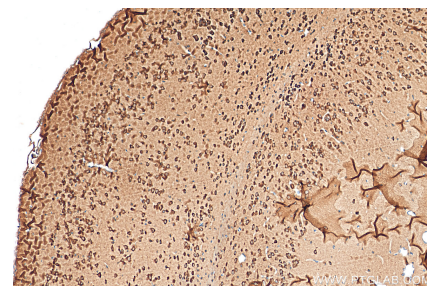
## Selected Validation Data



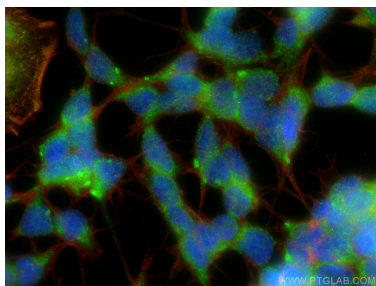
Various lysates were subjected to SDS PAGE followed by western blot with 26179-1-AP (GDNF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26179-1-AP (GDNF antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26179-1-AP (GDNF antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using GDNF antibody (26179-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).