

For Research Use Only

# GDNF Polyclonal antibody

Catalog Number: 26179-1-AP



## Basic Information

<b>Catalog Number:</b> 26179-1-AP	<b>GenBank Accession Number:</b> BC069369	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2668	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P39905	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> glial cell derived neurotrophic factor	<b>IF/ICC 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG24068	<b>Calculated MW:</b> 211 aa, 24 kDa	
	<b>Observed MW:</b> 32-40 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> DU 145 cells, HEK-293 cells, PC-3 cells, U-251 cells, U-87 MG cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> mouse brain tissue,
	<b>IF/ICC :</b> 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).

## Storage

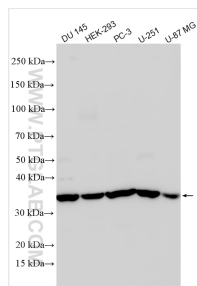
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

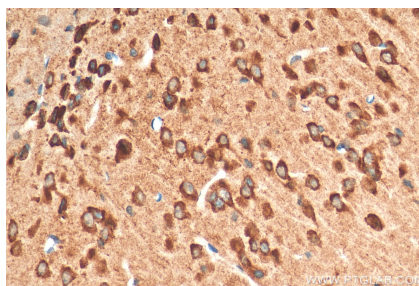
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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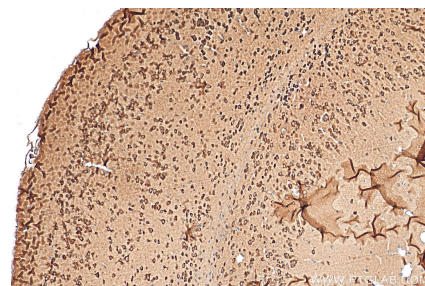
## Selected Validation Data



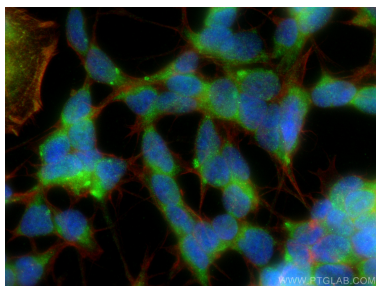
Various lysates were subjected to SDS PAGE followed by western blot with 26179-1-AP (GDNF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).