

For Research Use Only

GDNF Polyclonal antibody

Catalog Number: 26179-1-AP



Basic Information

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

Applications

Tested Applications:
IF, IHC, WB, ELISA

Species Specificity:
human, mouse

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 : SH-SY5Y cells,

Background Information

Glial-derived neurotrophic factor (GDNF) is a member of the transforming growth factor (TGF)- α 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

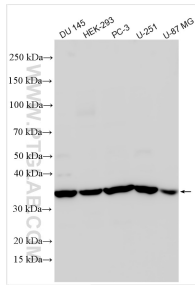
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

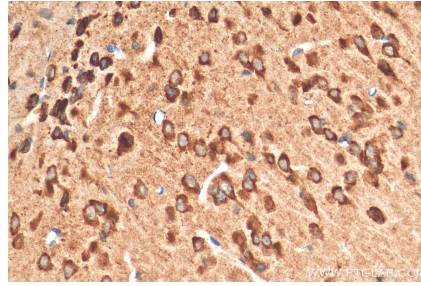
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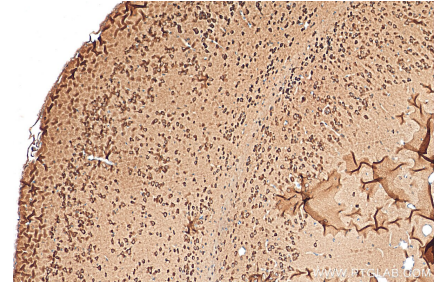
Selected Validation Data



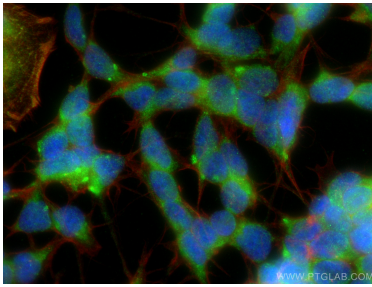
Various lysates were subjected to SDS PAGE followed by western blot with 26179-1-AP (GDNF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).