

For Research Use Only

# GDNF Recombinant antibody

Catalog Number: 83087-1-RR



## Basic Information

Catalog Number: 83087-1-RR	GenBank Accession Number: BC069369	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 2668	CloneNo.: 230358A10
Source: Rabbit	UNIPROT ID: P39905	Recommended Dilutions: IHC 1:500-1:2000 IF-P 1:125-1:500 IF/ICC 1:50-1:500
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: IHC, IF/ICC, IF-P, FC (Intra), ELISA	Positive Controls: IHC : mouse brain tissue, IF-P : mouse brain tissue, IF/ICC : SH-SY5Y cells,
Species Specificity: human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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

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

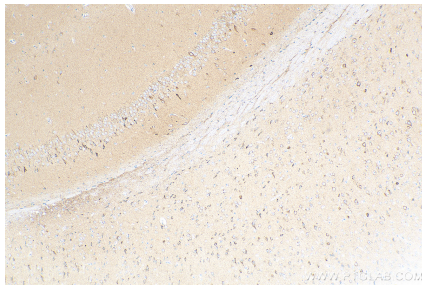
T: 4006900926

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

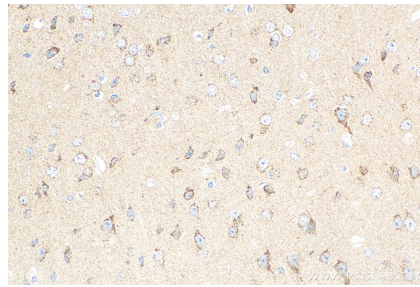
W: [ptgcn.com](http://ptgcn.com)

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

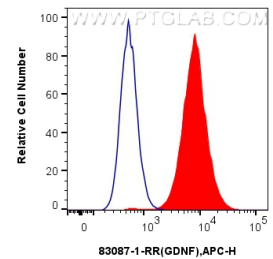
## Selected Validation Data



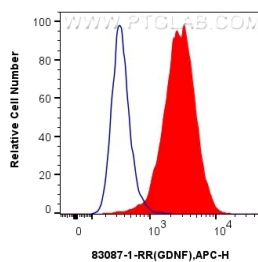
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83087-1-RR (GDNF antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



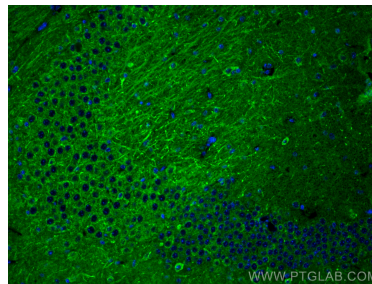
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 83087-1-RR (GDNF antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



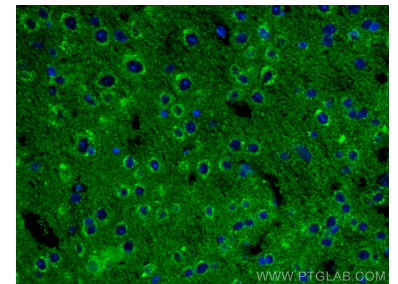
(blue)  $1 \times 10^6$  U-251 cells were intracellularly stained with 0.25 ug Anti-Human GDNF (83087-1-RR, Clone:230358A10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:166(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



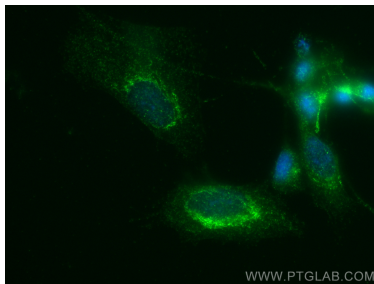
$1 \times 10^6$  SH-SY5Y cells were intracellularly stained with 0.25 ug Anti-Human GDNF (83087-1-RR, Clone:230358A10) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using GDNF antibody (83087-1-RR, Clone: 230358A10) at dilution of 1:250 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using GDNF antibody (83087-1-RR, Clone: 230358A10) at dilution of 1:250 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using GDNF antibody (83087-1-RR, Clone: 230358A10) at dilution of 1:200 and Multi-rAb CoraLite @ Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).