

For Research Use Only

# GDAP1 Monoclonal antibody

Catalog Number: 68083-1-Ig



## Basic Information

<b>Catalog Number:</b> 68083-1-Ig	<b>GenBank Accession Number:</b> BC024939	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 54332	<b>CloneNo.:</b> 3E10D4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q8TB36	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:200-1:800 IF-P 1:200-1:800
<b>Isotype:</b> IgG2b	<b>Full Name:</b> ganglioside-induced differentiation-associated protein 1	
<b>Immunogen Catalog Number:</b> AG28616	<b>Calculated MW:</b> 358 aa, 41 kDa	
	<b>Observed MW:</b> 38-40 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat, rabbit, pig	<b>WB :</b> pig brain tissue, Rabbit brain tissue, mouse brain tissue, rat brain tissue
<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>	<b>IHC :</b> rat brain tissue,
	<b>IF-P :</b> mouse brain tissue,

## Background Information

GDAP1 is a member of the ganglioside-induced differentiation-associated protein family, which may play a role in a signal transduction pathway during neuronal development. Mutations in this gene have been associated with various forms of Charcot-Marie-Tooth Disease and neuropathy.

## Storage

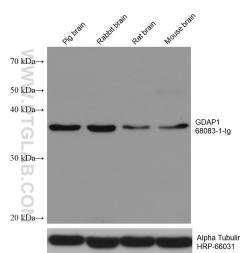
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

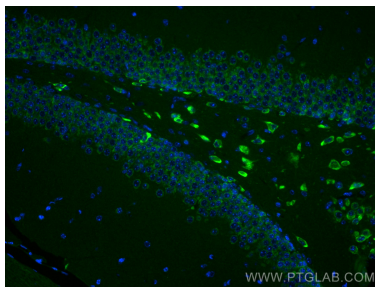
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

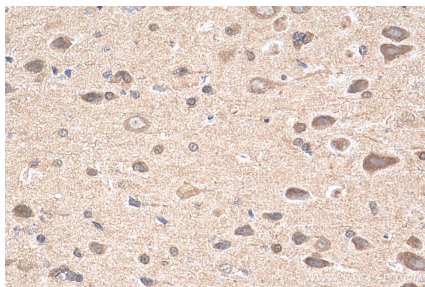
## Selected Validation Data



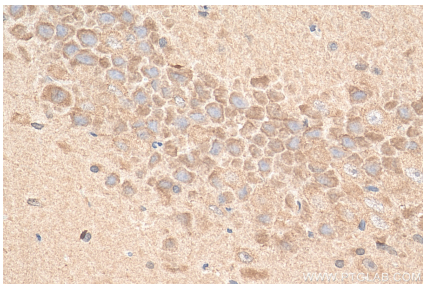
Various lysates were subjected to SDS PAGE followed by western blot with 68083-1-Ig (GDAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



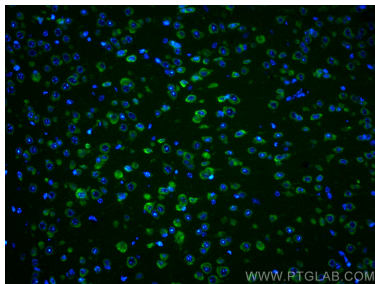
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GDAP1 antibody (68083-1-Ig, Clone: 3E10D4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68083-1-Ig (GDAP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 68083-1-Ig (GDAP1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using GDAP1 antibody (68083-1-Ig, Clone: 3E10D4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).