

For Research Use Only

# GDI2 Polyclonal antibody

Catalog Number: 10116-1-AP

Featured Product

16 Publications



## Basic Information

### Catalog Number:

10116-1-AP

### Size:

400 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0170

### GenBank Accession Number:

BC005145

### GeneID (NCBI):

2665

### UNIPROT ID:

P50395

### Full Name:

GDP dissociation inhibitor 2

### Calculated MW:

47 kDa

### Observed MW:

46 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:200-1:1600

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, monkey, yeast

**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** : A431 cells, rat brain tissue, mouse spleen tissue, rat spleen tissue, HeLa cells, mouse brain tissue

**IHC** : human gliomas tissue, human colon tissue, mouse brain tissue

## Background Information

GDP dissociation inhibitors (GDIs) are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, GDIs can bind and release GDP-bound Rab proteins from membranes. Two GDI proteins towards different Rab proteins have been identified. GDI1 interacts with almost all of the Rab proteins, while GDI2 interacts with Rab11 but not Rab3A. GDI2 distributes ubiquitously, displaying a membrane bound location in perinuclear regions of cells. GDI-2 was thought to be involved in cellular response to insulin. It electrophoreses as a 46kd protein in SDS-PAGE. (PMID: 7929030; PMID: 19570034). This antibody can bind both GDIs for the close sequences.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zongjuan Ming	25367783	Diagn Pathol	IHC
Anil Kumar Ganga	33989527	Curr Biol	IF
Rosamaria Orlando	25063582	Neuropharmacology	WB

## 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:

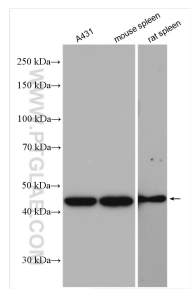
T: 4006900926

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.**

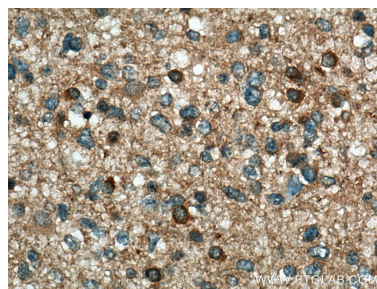
## Selected Validation Data



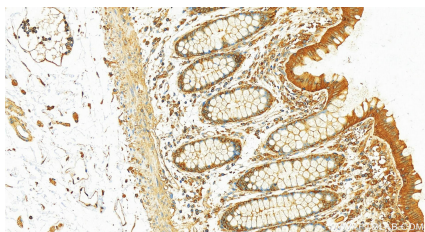
A431 cells were subjected to SDS PAGE followed by western blot with 10116-1-AP (GDI2 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10116-1-AP (GDI2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 10116-1-AP (GDI2 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 human colon tissue slide using 10116-1-AP (GDI2 antibody) at dilution of 1:1600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).