

GDI2 Polyclonal antibody

Catalog Number: 10116-1-AP

13 Publications

Basic Information

Catalog Number: 10116-1-AP	GenBank Accession Number: BC005145	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2665	Recommended Dilutions: WB 1:2000-1:16000 IHC 1:50-1:500
Source: Rabbit	Full Name: GDP dissociation inhibitor 2	
Isotype: IgG	Calculated MW: 47 kDa	
Immunogen Catalog Number: AG0170	Observed MW: 46 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : A431 cells, rat brain tissue, mouse spleen tissue, rat spleen tissue, HeLa cells, mouse brain tissue
Species Specificity: human, mouse, rat	IHC : human gliomas tissue, mouse brain tissue
Cited Species: human, monkey, mouse, yeast	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

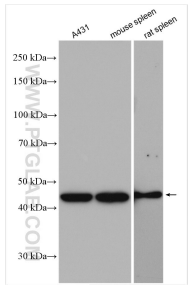
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
W: ptglab.com

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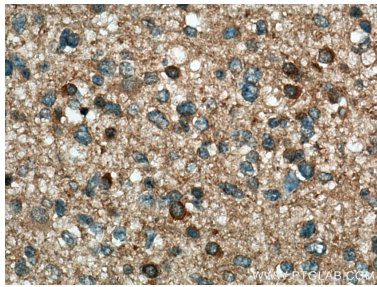
Selected Validation Data



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).