

## GDI1 Polyclonal Antibody

Catalog number: 10249-1-AP

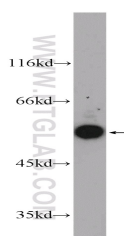
Size: 27 µg/150 µl

Source: Rabbit

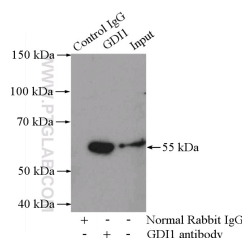
Isotype: IgG

Synonyms:

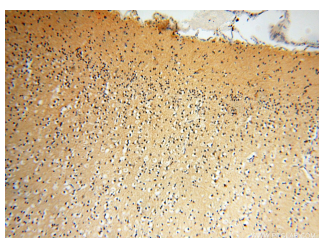
GDI1; FLJ41411, GDI 1, GDI1, GDIL, GDP dissociation inhibitor 1, MRX41, MRX48, Oligophrenin 2, OPHN2, Protein XAP 4, Rab GDI alpha, RABGD1A, RABGDIA, XAP 4, XAP4



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10249-1-AP( GDI1 Antibody) at dilution of 1:1000



IP Result of anti-GDI1 (IP:10249-1-AP, 4µg; Detection:10249-1-AP 1:800) with mouse brain tissue lysate 4000µg.



Immunohistochemical of paraffin-embedded human brain using 10249-1-AP(GDI1 antibody) at dilution of 1:50 (under 10x lens)

### Background

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 RabII but not Rab3A. GDI1 is expressed primarily in neural and sensory tissues and also in secretory cells, displaying a diffuse, cytoplasmic distribution in cells. It runs as a 55kda protein in SDS-PAGE. (PMID: 7929030, PMID: 19570034) This antibody can bind both GDIs for the close sequences.

### Applications

Tested applications:	ELISA, IHC, WB, IP
Cited applications:	ELISA, IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated GDI1 MW:	51 kDa
Observed GDI1 MW:	55 kDa
Positive WB detected in	Mouse brain tissue, human brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human brain tissue, human kidney tissue, human spleen tissue, human testis tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:20-1:200

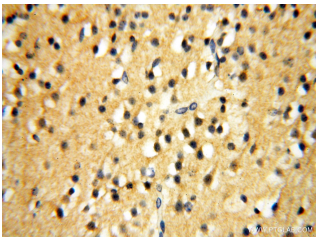
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag0288
GenBank accession number:	BC000317
Gene ID (NCBI):	2664
Full name:	GDP dissociation inhibitor 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunohistochemical of  
paraffin-embedded human  
brain using 10249-1-AP (GDI1  
antibody) at dilution of 1:50  
(under 40x lens)**