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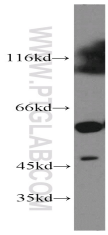
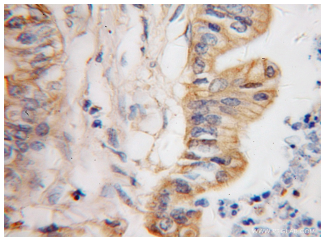
GDI2 Polyclonal Antibody

Catalog number: 10116-1-AP
Size: 20 µg/150 µl
Source: Rabbit
Isotype: IgG
Synonyms:
GDI2; FLJ16452; FLJ37352; RABGDIB



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10116-1-AP(GDI2 Antibody) at dilution of 1:500



Immunohistochemistry of paraffin-embedded human pancreas cancer using 10116-1-AP(GDI2 Antibody) at Dilution 1:10 (under 40x 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 Rabll 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.

Applications

Tested applications:	**ELISA, WB, IHC**
Cited applications:	**IHC, WB**
Species specificity:	**Human, mouse, rat; other species not tested.**
Cited species:	**Human, monkey, mouse, yeast**
Positive WB detected in:	**Mouse brain tissue**
Caculated GDI2 MW:	**47kd**
Observed GDI2 MW:	**48kd**
Positive IHC detected in:	**Human pancreas cancer**
Recommended dilution:	**WB: 1:200-1:2000**
	IHC: 1:10-1:100

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

Immunogen information

Immunogen:	**Ag0170**
GenBank accession number:	**BC005145**
Gene ID (NCBI):	**2665**
Full name:	**GDP dissociation inhibitor 2**

Product information

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