

For Research Use Only

GDI1 Polyclonal antibody

Catalog Number: 55214-1-AP



Basic Information

Catalog Number:

55214-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 387 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001493

GeneID (NCBI):

2664

UNIPROT ID:

P31150

Full Name:

GDP dissociation inhibitor 1

Calculated MW:

51 kDa

Observed MW:

51-55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : SH-SY5Y cells, human brain 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. 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). Defects in GDI1 are the cause of mental retardation X-linked type 41 (MRX41). Defects in GDI1 are the cause of mental retardation X-linked type 48 (MRX48). The antibody is specific to GDI1. And it has no cross reaction to GDI2.

Storage

Storage:

Store at -20°C.

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

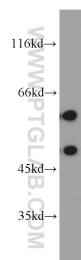
For technical support and original validation data for this product please contact:

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Selected Validation Data



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 55214-1-AP (GDI1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.