For Research Use Only

# CoraLite®594-conjugated GDI2 Monoclonal antibody

Catalog Number:CL594-60078

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## Basic Information

Catalog Number:
CL594-60078

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG4613

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:
Protein G purification

CloneNo.:
4B8F3

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

## Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse

Positive Controls:

IF/ICC : HeLa cells,

## Background Information

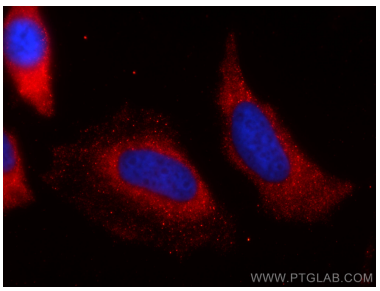
GDP dissociation inhibitors (GDIs) are proteins that regulate the GDP-GTP exchange reaction of members of the rab family, GDIs can bind and release GDP-bound Rab proteins from membranes. Two GDI proteins towards different Rab proteins have been identified. GDI1 interacts with almost all of the Rab proteins, while GDI2 interacts with RabII 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.

## Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

## Selected Validation Data




Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite®594 GDI2 antibody (CL594-60078, Clone: 4B8F3 ) at dilution of 1:200.