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# Datasheet for ABIN2792268 anti-GDI2 antibody (C-Term)

3 Images



#### Overview

Quantity:	100 µL
Target:	GDI2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Horse, Sheep, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDI2 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human GDI2
Sequence:	EPEKEIRPAL ELLEPIEQKF VSISDLLVPK DLGTESQIFI SRTYDATTHF
Predicted Reactivity:	Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 92%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against GDI2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	GDI2
Alternative Name:	GDI2 (GDI2 Products)

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Target Details	
Background:	GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange reaction of
	members of the rab family, small GTP-binding proteins of the ras superfamily, that are involved
	in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate of
	dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. The GDI2
	gene contains many repetitive elements indicating that it may be prone to inversion/deletion
	rearrangements.GDP dissociation inhibitors are proteins that regulate the GDP-GTP exchange
	reaction of members of the rab family, small GTP-binding proteins of the ras superfamily, that
	are involved in vesicular trafficking of molecules between cellular organelles. GDIs slow the rate
	of dissociation of GDP from rab proteins and release GDP from membrane-bound rabs. GDI2 is
	ubiquitously expressed. The GDI2 gene contains many repetitive elements indicating that it may
	be prone to inversion/deletion rearrangements.
	Alias Symbols: RABGDIB
	Protein Interaction Partner: HUWE1, UBC, SUMO2, DUT, BAG3, IQCB1, GLRA2, FN1, SMURF1,
	RAB1A, RAB11B, AIP, ISG15, SIRT7, ELAVL1, Rab5c, Cdk1, Mapk13, RAB24, RAB11A, RAB9A,
	RAB5A, RAB4A, RAB2A, RAB8A,
	Protein Size: 445
Molecular Weight:	51 kDa
Gene ID:	2665
NCBI Accession:	NM_001494, NP_001485
UniProt:	P50395

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 445 AA
Restrictions:	For Research Use only
Handling	

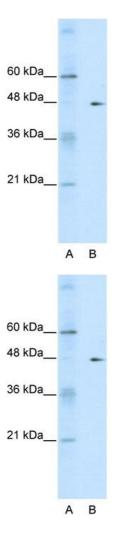
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 $\%$ (w/v) sodium azide and 2 $\%$ sucrose.
Preservative:	Sodium azide

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## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

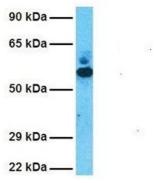


#### Western Blotting

**Image 1.** WB Suggested Anti-GDI2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate GDI2 is strongly supported by BioGPS gene expression data to be expressed in Human HepG2 cells

Vestern Blotting		
Image 2. WB Suggested Anti-GDI2		
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:.12500		
Positive Control: HepG2 cell lysate		
GDI2 is strongly supported by BioGPS gene expression data		
to be expressed in Human HepG2 cells		

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Western Blotting

**Image 3.** Host: Rabbit Target Name: GDI2 Sample Tissue: Human Fetal Lung Antibody Dilution: 1.0ug/ml

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