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## Datasheet for ABIN1715018 anti-GDI1 antibody (AA 1-100)

Publication



## Overview

Quantity:	100 µL
Target:	GDI1
Binding Specificity:	AA 1-100
Reactivity:	Mouse, Chimpanzee
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDI1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin- embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GDI1
lsotype:	lgG
Cross-Reactivity:	Chimpanzee, Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Rabbit,Zebrafish
Purification:	Purified by Protein A.
Target Details	
Target:	GDI1

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Alternative Name:	GDI1 (GDI1 Products)
Background:	Synonyms: 1A, FLJ41411, GDI-1, gdi1, GDIA_HUMAN, GDIL, GDP dissociation inhibitor 1,
	Guanosine diphosphate dissociation inhibitor 1, Mental retardation X-linked 41, Mental
	retardation X-linked 48, MRX41, MRX48, Oligophrenin 2, Oligophrenin-2, OPHN2, Protein XAP 4,
	Protein XAP-4, Protein XAP4, Rab GDI alpha, Rab GDP dissociation inhibitor alpha, RABGD1A,
	RABGDIA, XAP 4.
	Background: Rab proteins, a family of Ras-related small GTP-binding proteins, play a key role ir
	regulating intracellular vesicle trafficking (1?). Rab GDP dissociation inhibitor (Rab GDI or GDI2
	forms a soluble complex with Rab proteins and thereby prevents the exchange of GDP for GTF
	(1?). In mammals, there exist two major isoforms, Rab GDI alpha (also known as XAP-4) and
	Rab GDI beta (1,4). While the mammalian Rab GDI beta-genes are ubiquitously expressed, the
	Rab GDI ?genes are predominantly brain-specific (1). Since it is expressed predominantly in
	neural and sensory tissues, Rab GDI a may serve a specific function in neural signal
	transmission (5). The gene sequences for the Rab GDI proteins are extremely conserved in
	evolution, with substantial homology preserved across three eukaryotic kingdoms (5).
Gene ID:	2664
Application Details	
Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IHC-F 1:100-500 IF(IHC-P) 1:50-200
	IF(IHC-P) 1:50-200
	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200
Restrictions:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Handling	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Handling Format:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500 For Research Use only
Restrictions: Handling Format: Concentration: Buffer:	IF(IHC-P) 1:50-200   IF(IHC-F) 1:50-200   IF(ICC) 1:50-200   ICC 1:100-500   For Research Use only   Liquid

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Handling	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months
Publications	
Product cited in:	Zhang, Zhao, Zhang, Hao, Yu, Min, Li, Ma, Chen, Yi, Tang, Meng, Liu, Wang, Shen, Zhang: "
	Decrease in male mouse fertility by hydrogen sulfide and/or ammonia can Be inheritable." in:
	Chemosphere, Vol. 194, pp. 147-157, (2018) (PubMed).