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## Datasheet for ABIN1701516 anti-GDI1 antibody (AA 1-100) (Biotin)



Overview

Quantity:	100 μL
Target:	GDI1
Binding Specificity:	AA 1-100
Reactivity:	Mouse, Chimpanzee
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDI1 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GDI1
Isotype:	IgG
Cross-Reactivity:	Chimpanzee, Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig,Rabbit,Zebrafish
Purification:	Purified by Protein A.
Target Details	
Target:	GDI1
Alternative Name:	GDI1 (GDI1 Products)

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Target Details	
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 in 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 GTP (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:	IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

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