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Datasheet for ABIN1696074

## anti-GDI1 antibody (AA 1-100) (AbBy Fluor® 488)

### 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 AbBy Fluor® 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### 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 ( <a href="#">GDI1 Products</a> )

## Target Details

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Background:	<p>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.</p> <p>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).</p>
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Gene ID:	2664
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## Application Details

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Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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## Handling

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Expiry Date: 12 months