

# GDI1 rabbit monoclonal antibody

Catalog # H00002664-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human GDI1 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human GDI1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human GDI1 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — GDI1

Entrez GeneID	<a href="#">2664</a>
GeneBank Accession#	<a href="#">GDI1</a>
Gene Name	GDI1
Gene Alias	FLJ41411, GDIL, MRX41, MRX48, OPHN2, RABGD1A, RABGDIA, XAP-4
Gene Description	GDP dissociation inhibitor 1
Omim ID	<a href="#">300104</a> <a href="#">309541</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. GDI1 is expressed primarily in neural and sensory tissues. Mutations in GDI1 have been linked to X-linked nonspecific mental retardation. [provided by RefSeq]
Other Designations	OTTHUMP00000032118 mental retardation, X-linked 41 mental retardation, X-linked 48 rab GDP-dissociation inhibitor, alpha