

Datasheet: VPA00272

**BATCH NUMBER 160415**

<b>Description:</b>	RABBIT ANTI GDI1
<b>Specificity:</b>	GDI1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	100 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 1% Bovine Serum Albumin
<b>Immunogen</b>	KLH-conjugated synthetic peptide corresponding to aa 415-443 of human GDI1

### External Database Links

#### UniProt:

[P31150](#)

[Related reagents](#)

**Entrez Gene:**[2664](#) GDI1 [Related reagents](#)

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**Synonyms** GDIL, OPHN2, RABGDIA, XAP4

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**Specificity** **Rabbit anti Human GDI1 antibody** recognizes GDI1, also known as guanosine diphosphate dissociation inhibitor 1, mental retardation, X-linked 48, oligophrenin-2, protein XAP-4, rab GDI alpha and rab GDP-dissociation inhibitor, alpha.

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, Jul 2008).

Rabbit anti Human GDI1 antibody detects a band of 51 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti GDI1 detects a band of approximately 51 kDa in SH-SY5Y cell lysate

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles

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**Guarantee** 12 months from date of despatch

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00272>  
Antibody (10041)

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)**North & South** Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)**Worldwide**

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)  
'M370633:200529'

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