

## Datasheet: VPA00730

<b>Description:</b>	RABBIT ANTI ARHGDIB
<b>Specificity:</b>	ARHGDIB
<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

**PrecisionAb antibodies have been extensively [validated for the western blot application](#).** The antibody has been validated at the suggested dilution. 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 dependant on sample type.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Rabbit polyclonal antibody purified by affinity chromatography
<b>Buffer Solution</b>	TRIS buffered glycine
<b>Preservative Stabilisers</b>	0.01% Thiomersal <50% Glycerol
<b>Immunogen</b>	Recombinant protein encompassing part of the middle region of human ARHGDIB
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P52566</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">397</a>   ARHGDIB   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	GDIA2, GDID4, RAP1GN1

**Specificity** **Rabbit anti Human ARHGDIB antibody** recognizes the Rho GDP-dissociation inhibitor 2, also known as Rho GDI 2, rho GDP-dissociation inhibitor 2, or rho-GDI beta.

Members of the Rho (or ARH) protein family (see MIM 165390) and other Ras-related small GTP-binding proteins (see MIM 179520) are involved in diverse cellular events, including cell signaling, proliferation, cytoskeletal organization, and secretion. The GTP-binding proteins are active only in the GTP-bound state. At least 3 classes of proteins tightly regulate cycling between the GTP-bound and GDP-bound states: GTPase-activating proteins (GAPs), guanine nucleotide-releasing factors (GRFs), and GDP-dissociation inhibitors (GDIs). The GDIs, including ARHGDIB, decrease the rate of GDP dissociation from Ras-like GTPases ([Scherle et al. 1993](#)).

Rabbit anti Human ARHGDIB antibody detects a band of 27 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Rabbit anti ARHGDIB detects a band of approximately 27 kDa in THP-1 cell lysates

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**Instructions For Use** Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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

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**Shelf Life** As supplied, 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 #20357 available at:  
Antibody (20357): <https://www.bio-rad-antibodies.com/uploads/MSDS/20357.pdf>

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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 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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