

## Datasheet: VPA00642

<b>Description:</b>	RABBIT ANTI RCAN1
<b>Specificity:</b>	RCAN1
<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>Species Cross Reactivity</b>	<p>Reacts with: Mouse</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<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>	<p>0.09% Sodium Azide</p> <p>2% Sucrose</p>
<b>Immunogen</b>	Synthetic peptide encompassing part of the N terminal region of human RCAN1

**External Database  
Links**

**UniProt:**

[P53805](#)

[Related reagents](#)

**Entrez Gene:**

[1827](#)

RCAN1

[Related reagents](#)

**Synonyms**

ADAPT78, CSP1, DSC1, DSCR1

**Specificity**

**Rabbit anti Human RCAN1 antibody** recognizes calcipressin-1, also known as DSC1, Down syndrome critical region gene 1, calcium and oxidant-inducible mRNA, modulatory calcineurin-interacting protein 1 or myocyte-enriched calcineurin-interacting protein 1 near DSCR proline-rich protein.

The protein encoded by RCAN1 gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. RCAN1 is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of RCAN1 may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Three transcript variants encoding three different isoforms have been found for RCAN1 (provided by RefSeq, Jul 2008).

Rabbit anti Human RCAN1 antibody detects a band of 24 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Rabbit anti RCAN1 detects a band of approximately 24 kDa in HEK293 cell lysates.

**Storage**

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

**Guarantee**

12 months from date of despatch.

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

**Health And Safety  
Information**

Material Safety Datasheet documentation #10045 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00642>  
Antibody (10045)

**Regulatory**

For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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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)  
'M416399:230301'

