

Datasheet: VPA00642

BATCH NUMBER 161116

Description:	RABBIT ANTI RCAN1
Specificity:	RCAN1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse

N.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.

Product Form

Purified IgG - liquid

Preparation

Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide
2% Sucrose

Immunogen 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

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