

Datasheet: VPA00642KT

Description:	RCAN1 ANTIBODY WITH CONTROL LYSATE
Specificity:	RCAN1
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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

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.

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

20µl 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	<p>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.</p> <p>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).</p> <p>Rabbit anti Human RCAN1 antibody detects a band of 24 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Rabbit anti RCAN1 detects a band of approximately 24 kDa in HEK293 cell lysates
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.
Lysate Composition	400µg HEK293 lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<p>- If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.</p> <p>- If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</p> <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Guarantee	As supplied, 12 months from date of despatch
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories

**Health And Safety
Information**

Material Safety Datasheet documentation #10045 #10561 available at:
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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