

Rabbit RCAN1 Polyclonal Antibody | anti-RCAN1 antibody

RCAN1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23463	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	Western Blot

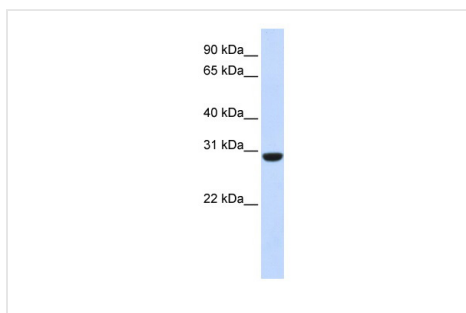
PRODUCT SYNONYMS

RCAN1; Polyclonal Antibody; RCAN1 antibody - middle region; anti-RCAN1 antibody

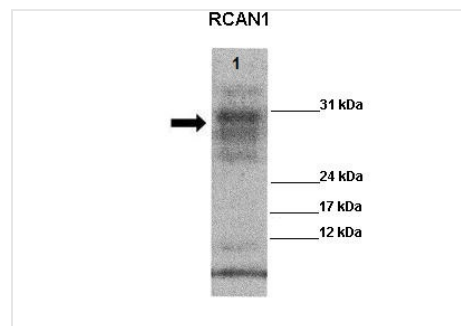
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PV INYDLLY AIS KLGPGEK YEL HAATDTTPSV VVHVCESDQE KEEEEEME
Sequence Length	252
Applicable Applications for anti-RCAN1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%; Sheep: 100%; Zebrafish: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human RCAN1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

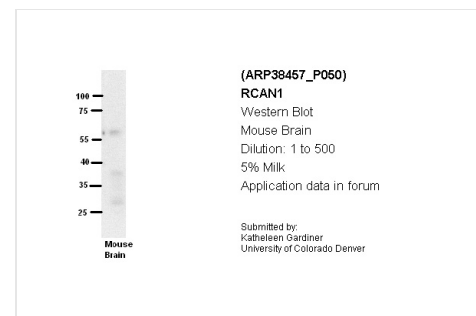
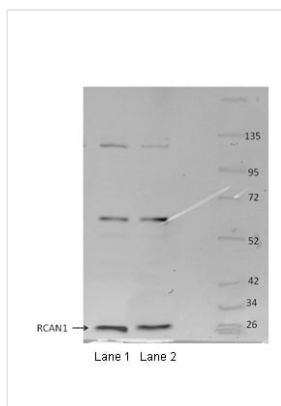


WB (Western Blot)

WB Suggested Anti-RCAN1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: Human Muscle


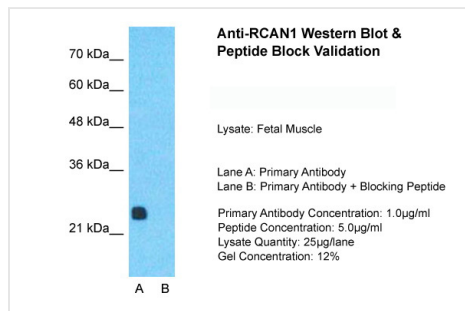
WB (Western Blot)

WB Suggested Anti-RCAN1 Antibody Positive Control: Lane 1: 20ug Wild type mouse, left ventricle
Primary Antibody Dilution : 1:1000
Secondary Antibody : Goat anti rabbit-HRP
Secondary Antibody Dilution : 1:5,000
Submitted by: Kathleen Gabrielson

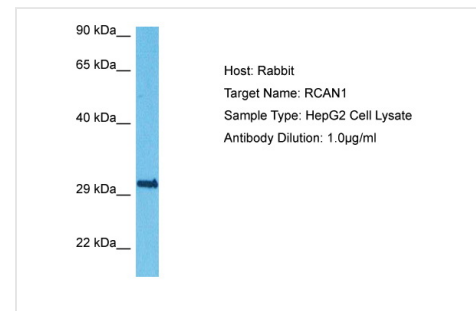


WB (Western Blot)
 RCAN1 antibody - middle region validated by WB using Mouse Brain at 1:500.

WB (Western Blot)
 RCAN1 antibody - middle region validated by WB using MOUSE OSTEOCLASTS at 1:1000.



WB (Western Blot)
 Host: Rabbit
 Target Name: RCAN1
 Sample Type: Human Fetal Muscle
 Lane A: Primary Antibody
 Lane B: Primary Antibody + Blocking Peptide
 Primary Antibody Concentration: 1µg/ml
 Peptide Concentration: 5µg/ml
 Lysate Quantity: 25µg/lane/lane
 Gel Concentration: 0.12



WB (Western Blot)
 Host: Rabbit
 Target Name: RCAN1
 Sample Tissue: Human HepG2 Whole Cell
 Antibody Dilution: 1µg/ml

ADDITIONAL INFORMATION

Related Product Information for anti-RCAN1 antibody	This is a rabbit polyclonal antibody against RCAN1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: RCAN1 interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene 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 this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene 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 this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Three transcript variants encoding three different isoforms have been found for this gene.
Product Categories/Family for anti-RCAN1 antibody	Polyclonal; Transcription Factor; Neurobiology; Transcription Regulation; Lymphocyte Signaling; Transcription Regulation; Developmental Biology; Signal Transduction; Disease Related; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	33620725
NCBI GeneID	1827
NCBI Accession #	NP_004405
NCBI GenBank Nucleotide #	NM_004414
UniProt Accession #	P53805
Molecular Weight	28kDa

NCBI Official Full Name	calcipressin-1 isoform a
NCBI Official Synonym Full Names	regulator of calcineurin 1
NCBI Official Symbol	RCAN1
NCBI Official Synonym Symbols	CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78
NCBI Protein Information	calcipressin-1
UniProt Protein Name	Calcipressin-1
UniProt Gene Name	RCAN1
UniProt Synonym Gene Names	ADAPT78; CSP1; DSC1; DSCR1; MCIP1
UniProt Entry Name	RCAN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rcan1-antibody-western-blot-elisa/23463>