

Rabbit RCAN2 Polyclonal Antibody | anti-Rcan2 antibody

RCAN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40409	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

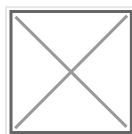
PRODUCT SYNONYMS

RCAN2; Polyclonal Antibody; RCAN2 Antibody; Csp2; MCIP2; ZAKI-4; Dscr111; Zaki4; Calcipressin-2; Calcineurin inhibitory protein ZAKI-4; regulator of calcineurin 2; anti-Rcan2 antibody

PRODUCT SPECIFICATIONS

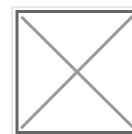
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RCAN2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	197
Applicable Applications for anti-Rcan2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	RCAN2 antibody was raised against a 14 amino acid synthetic peptide near the center of human RCAN2.
Buffer	RCAN2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	RCAN2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



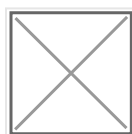
IF (Immunofluorescence)

Immunofluorescence of RCAN2 in mouse brain tissue with RCAN2 antibody at 20 μg/mL.



IHC (Immunohistochemistry)

Immunohistochemistry of RCAN2 in mouse brain tissue with RCAN2 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of RCAN2 in 3T3 cell lysate with RCAN2 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Rcan2 antibody	RCAN2 Antibody: Regulator of calcineurin 2 (RCAN2), also known as ZAKI4 and DSCR1L1, is expressed as two isoforms differing at their N-terminus. The longer of the two (isoform 1) is expressed exclusively in the brain, while isoform 2 is ubiquitously expressed, with highest expression in brain, heart, and muscle. Both isoforms bind to the catalytic subunit of calcineurin, a Ca++-dependent protein phosphatase involved in several neuronal functions, though their C-terminal region and inhibit calcineurin's activity. Unlike isoform 1 of RCAN2, the expression of the second isoform is not induced by the thyroid hormone T3. RCAN2 is a member of a family of three endogenous calcineurin regulators that are located near the minimal supernumerary fragment of chromosome 21 in individuals with Down syndrome, suggesting that they play a role in this syndrome. Multiple isoforms of RCAN2 are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38328420
NCBI GeneID	53901
UniProt Accession #	Q9JHG2; Q8VIP5
Molecular Weight	22,025 Da
NCBI Official Full Name	Rcan2 protein
NCBI Official Synonym Full Names	regulator of calcineurin 2
NCBI Official Symbol	Rcan2
NCBI Official Synonym Symbols	Csp2; MCIP2; ZAKI-4; Dscr1l1
NCBI Protein Information	calciopressin-2; calcineurin inhibitory protein ZAKI-4; Down syndrome critical region gene 1-like 1; down syndrome candidate region 1-like protein 1; myocyte-enriched calcineurin interactin protein 2; myocyte-enriched calcineurin-interacting protein 2
UniProt Protein Name	Calciopressin-2
UniProt Gene Name	Rcan2
UniProt Synonym Gene Names	Dscr1l1; Zaki4; MCIP2
UniProt Entry Name	RCAN2_MOUSE

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/rcan2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40409>