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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Calcipressin-2 RCAN2 Antibody

Catalog Number: A11369

About RCAN2

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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Overview

Product Name	Anti-Calcipressin-2 RCAN2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Calcipressin-2 RCAN2 Antibody (Catalog # A11369). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	RCAN2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	RCAN2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9JHG2

Technical Details

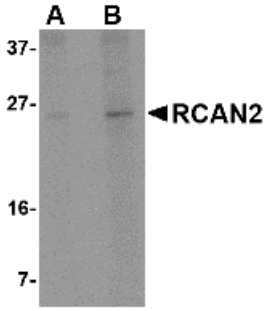
Immunogen	RCAN2 antibody was raised against a 14 amino acid synthetic peptide near the center of human RCAN2. The immunogen is located within amino acids 70 - 120 of RCAN2.

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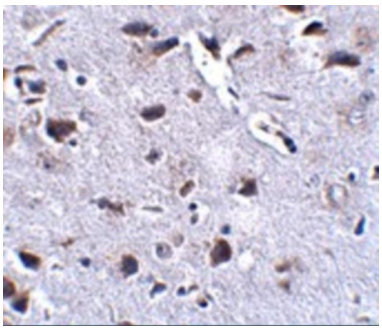
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	RCAN2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RCAN2 antibody can be used for detection of RCAN2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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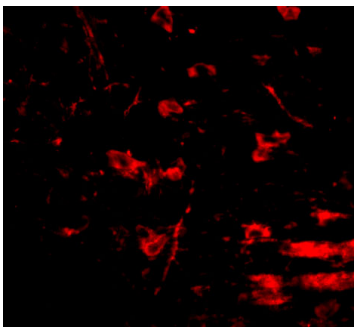
Anti-Calcipressin-2 RCAN2 Antibody (A11369) Images



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



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



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

Anti-Calcipressin-2 RCAN2 Antibody

For Research Use Only. Not for use in diagnostic procedures.