

Datasheet for ABIN6991070
anti-RCAN2 antibody (AA 70-120)



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Overview

Quantity:	0.1 mg
Target:	RCAN2
Binding Specificity:	AA 70-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RCAN2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Purification:	RCAN2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	RCAN2
Alternative Name:	RCAN2 (RCAN2 Products)
Background:	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

Target Details

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.

Gene ID: 53901

UniProt: [Q9JHG2](#)

Application Details

Application Notes: RCAN2 antibody can be used for detection of RCAN2 by Western blot at 1 - 2 $\mu\text{g/mL}$. Antibody can also be used for immunohistochemistry starting at 2.5 $\mu\text{g/mL}$. For immunofluorescence start at 20 $\mu\text{g/mL}$.

Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: RCAN2 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: RCAN2 antibody can be stored at 4°C for three months and -20°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.