
RCAN2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254029

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: RCAN2; Regulator of calcineurin 2; ZAKI4; DSCR1L1

Accession No.: AAH62141

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human RCAN2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.