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Datasheet for ABIN1409775

**anti-RCAN3 antibody (AA 151-241) (Cy3)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | RCAN3  |
| Binding Specificity: | AA 151-241   |
| Reactivity:          | Mouse, Rat   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This RCAN3 antibody is conjugated to Cy3   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |  |
|-----------------------|--|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Calcipressin 3 |
| Isotype:              | IgG  |
| Cross-Reactivity:     | Mouse, Rat   |
| Predicted Reactivity: | Human,Dog,Cow,Sheep,Pig,Chicken,Rabbit                             |
| Purification:         | Purified by Protein A.   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | RCAN3   |
| Alternative Name: | Calcipressin 3 ( <a href="#">RCAN3 Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | <p>Synonyms: Calcipressin-3, Down syndrome candidate region 1 like 2, regulator of calcineurin 3, Down syndrome candidate region 1 like protein 2, Down syndrome candidate region 1-like protein 2, Down syndrome critical region gene 1 like 2, DSCR1L2, hRCN3, MCIP3, Myocyte enriched calcineurin interacting protein 3, Myocyte-enriched calcineurin-interacting protein 3, RCAN family member 3, RCAN3, RCAN3_HUMAN, RCN3, Regulator of calcineurin 3.</p> <p>Background: Calcineurin is a Ca(2+) dependent protein phosphatase that is involed in several neuornal functions. Proteins belonging to the RCAN (Regulator of calcineurin) family modulate the activity of Calcineurin through a valine-rich region within their carboxyl tail. RCANs compete with NFATs (Nuclear factor of activated T-cells) for binding to the same docking site in calcineurin, which results in either inhibition or activation of calcineurin activity. Calcipressin-2, also known as RCAN2 and DSCR1L1 (Down syndrome candidate region 1-like 1), is a 197 amino acid protein that is highly expressed in both the cytoplasm and nucleus of neurons and is the only RCAN family member that is found in glial cells. Calcipressin-3, also known as RCAN3 and DSCR1L2 (Down syndrome candidate region 1-like protein 2), is a 241 amino acid protein that potentially is involved in central nervous system development. Calcipressin-3 interacts with cardiac troponin I, suggesting that it may play a role in cardiac contraction events.</p> |
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## Application Details

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|--------------------|--|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
|--------------------|--|

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 µg/µL  |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |

Handling

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|                  |   |
|------------------|---|
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months   |