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Datasheet for ABIN4998925

anti-RCAN3 antibody (AA 151-241) (Alexa Fluor 680)

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 Alexa Fluor 680
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 (RCAN3 Products)

Target Details

Background: 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.

Background: Calcineurin is a Ca(2+) dependent protein phosphatase that is involved in several neuronal 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.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
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

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

Expiry Date: 12 months