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Calcipressin 3 Rabbit pAb

Catalog # AP99057

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UKA8
Other Accession	Q9UKA8
Reactivity	Rat, Mouse
Predicted	Pig, Human, Rabbit, Chicken, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27492
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Calcipressin 3
Epitope Specificity	151-241/241
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the RCAN family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	11123
Other Names	DSCR1L2; MCIP3; RCN3; hRCN3; Csp3; RCAN3_HUMAN; RCAN3; Down syndrome candidate region 1-like protein 2; Myocyte-enriched calcineurin-interacting protein 3 (MCIP3); Regulator of calcineurin 3; RCAN3_MOUSE; RCAN family member 3; Down syndrome critical region gene 1-like 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	RCAN3
Synonyms	DSCR1L2
Function	Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development (By similarity).
Tissue Location	Highest expression in heart, skeletal muscle kidney, liver and peripheral blood leukocytes. Lower expression in all other tissues

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.