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Calcipressin 1/DSCR 1 Rabbit pAb

Catalog # AP99910

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P53805
Other Accession	P53805
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28079
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Calcipressin 1
Epitope Specificity	101-200/252
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.
SUBUNIT	Interacts with RAF1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. This gene is located in the minimal candidate region for the Down syndrome phenotype, and is overexpressed in the brain of Down syndrome fetuses. Chronic overexpression of this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].

Additional Information

Gene ID	1827
Other Names	ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1; CALP1L; RCAN1_HUMAN; RCAN1; Down syndrome critical region protein 1; Myocyte-enriched calcineurin-interacting protein 1 (MCIP1); Regulator of calcineurin 1; RCAN1_MOUSE; Down syndrome critical region protein 1 homolog; RCAN1_RAT; Down syndrome critical region gene 1
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	RCAN1
Synonyms	ADAPT78, CSP1, DSC1, DSCR1
Function	Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A (PubMed:12809556). Could play a role during central nervous system development (By similarity).
Tissue Location	Highly expressed heart, brain and skeletal muscle. Also expressed in all other tissues

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