

Rabbit Calcipressin 1 Polyclonal Antibody | anti-RCAN1 antibody

Phospho-Calcipressin 1 (Ser163) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329805	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (86%)	ELISA, Immunohistochemistry, Western Blot

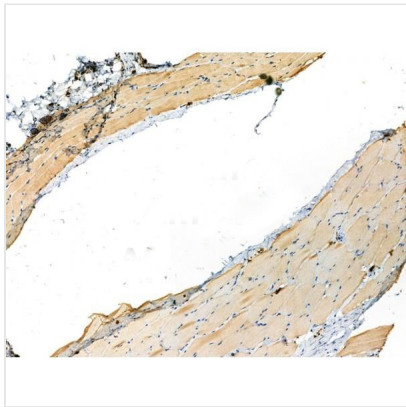
PRODUCT SYNONYMS

Calcipressin 1; Polyclonal Antibody; Phospho-Calcipressin 1 (Ser163) Antibody; Adapt 78; Adapt78; Calcipressin-1; Calcium and oxidant inducible mRNA; CSP 1; CSP1; Down syndrome candidate region 1; Down syndrome critical region gene 1; Down syndrome critical region protein 1; DSC 1; DSC1; DSCR 1; DSCR1; MCIP 1; MCIP1; Modulatory calcineurin interacting protein 1; Myocyte enriched calcineurin interacting protein 1; Myocyte-enriched calcineurin-interacting protein 1; Near DSCR proline rich protein; RCAN1; RCAN1_HUMAN; RCN 1; RCN1; Regulator of calcineurin 1; anti-RCAN1 antibody

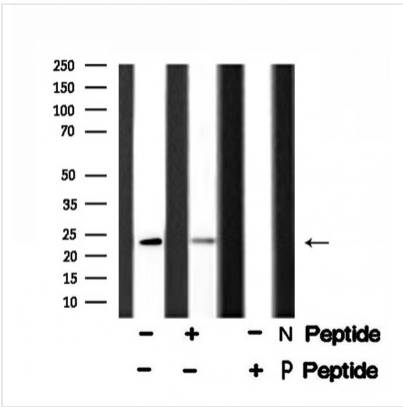
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (86%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-Calcipressin 1 (Ser163) Antibody detects endogenous levels of Calcipressin 1 only when phosphorylated at Ser163. Tissue Specificity: Highly expressed heart, brain and skeletal muscle. Also expressed in all other tissues.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-RCAN1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Calcipressin 1 around the phosphorylation site of Ser163.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation increases its ability to inhibit calcineurin and decreases protein half-life.
Subunit Structure	Interacts with RAF1. Interacts with PPP3CA and PPP3R1.
Similarity	Belongs to the RCAN family.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
Staining Rat skin tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of DSCR1 (Phospho-Ser163) using EGF treated 293 whole cell lysates. -/+ means absence or presence of N peptide(1/4 non-phospho peptide) and P peptide(phospho peptide).

ADDITIONAL INFORMATION

Related Product Information for anti-RCAN1 antibody	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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33620725
NCBI GeneID	1827
NCBI Accession #	NP_004405.3
NCBI GenBank Nucleotide #	NM_004414.5
UniProt Accession #	P53805; O00582; O00583; Q53XT0; Q6IBC6; Q7Z555; Q96R03; Q9BU69; Q9UF15; Q9UME4; D3DSF9
Molecular Weight	28,079 Da
NCBI Official Full Name	calcipressin-1 isoform a
NCBI Official Synonym Full Names	regulator of calcineurin 1
NCBI Official Symbol	RCAN1
NCBI Official Synonym Symbols	CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78
NCBI Protein Information	calcipressin-1; near DSCR proline-rich protein; Down syndrome candidate region 1; calcium and oxidant-inducible mRNA; Down syndrome critical region gene 1; down syndrome critical region protein 1; modulatory calcineurin-interacting protein 1; myocyte-enri
UniProt Protein Name	Calcipressin-1
UniProt Gene Name	RCAN1
UniProt Synonym Gene Names	ADAPT78; CSP1; DSC1; DSCR1; MCIP1
UniProt Entry Name	RCAN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.