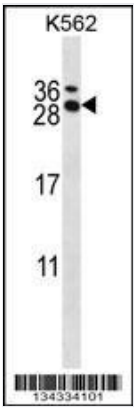
RCAN3 Antibody – Rabbit Polyclonal

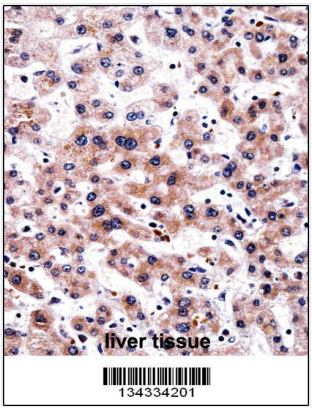
PRODUCT OVERVIEW

Product Name	RCAN3, Polyclonal Antibody
Full Product Name	RCAN3, CT (RCAN3, DSCR1L2, Calcipressin-3, Down syndrome candidate region 1-like protein 2, Myocyte-enriched calcineurin-interacting protein 3, Regulator of calcineurin 3) (Azide free) (HRP)
Product Gene Name	anti-RCAN3 antibody
Product Synonym Names	RCAN3; DSCR1L2; Calcipressin-3; Down syndrome candidate region 1-like protein 2; Myocyte-enriched calcineurin-interacting protein 3; Regulator of calcineurin 3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	27,492 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (24829387..24862428). Location: 1p35.3-p33
OMIM	605860
3D Structure	ModBase 3D Structure for Q9UKA8
Immunogen	RCAN3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 193-222 amino acids from the C-terminal region of human RCAN3.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-RCAN3 antibody	Antibodies; Disease Markers
Applications Tested/Suitable for anti-RCAN3 antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-RCAN3 antibody	IHC: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-RCAN3 antibody	RCAN3 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).
Product References and Citations for anti-RCAN3 antibody	Sales, K.J., et al. Biochim. Biophys. Acta 1793(12):1917-1928(2009). Enjuanes, A., et al. Cancer Res. 68(24):10178-10186(2008). Facchin, F., et al. Gene 407 (1-2), 159-168 (2008): Mulero, M.C., et al. Biochim. Biophys. Acta 1773(3):330-341(2007). Olsen, J.V., et al. Cell 127(3):635-648(2006).

Other Notes	Small volumes of anti-RCAN3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RCAN3 purchase	MBS6341019 is an antibody targeting RCAN3. Also known as RCAN3, CT (RCAN3, DSCR1L2, Calcipressin-3, Down syndrome candidate region 1-like protein 2, Myocyte-enriched calcineurin-interacting protein 3, Regulator of calcineurin 3) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RCAN3 antibody
RCAN3 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the RCAN3 antibody detected the RCAN3 protein (arrow).



Immunohistochemistry (IHC) of anti-RCAN3 antibody
RCAN3 Antibody (C-term) (AP14397b)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RCAN3 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RCAN3. It may not necessarily be applicable to this product.

NCBI GI #	7305009
NCBI GeneID	11123
NCBI Accession #	NP_038469.1
UniProt Primary Accession #	Q9UKA8
UniProt Secondary Accession #	Q5TGC6; Q9NUC8; Q9UKA7
UniProt Related Accession #	Q5ECL3; Q5TGC7; Q9UKA8
GenBank Nucleotide #	NM_013441.2
NCBI Official Full Name	calcipressin-3
NCBI Official Synonym Full Names	RCAN family member 3
NCBI Official Symbol	RCAN3
NCBI Official Synonym Symbols	RCN3; MCIP3; hRCN3; DSCR1L2
UniProt Protein Name	Calcipressin-3
UniProt Synonym Protein Names	Down syndrome candidate region 1-like protein 2; Myocyte-enriched calcineurin-interacting protein 3; MCIP3; Regulator of calcineurin 3
Protein Family	Calcipressin
UniProt Gene Name	RCAN3
UniProt Synonym Gene Names	DSCR1L2; MCIP3
UniProt Entry Name	RCAN3_HUMAN

NCBI Protein Information	calcipressin-3; OTTHUMP00000003336; Down syndrome candidate region 1-like 2; regulator of calcineurin 3 isoform 1,3,4,5; Down syndrome critical region gene 1-like 2; regulator of calcineurin 3 isoform 1a,3,4,5; regulator of calcineurin 3 isoform 1c,3,4,5;
UniProt Comments for RCAN3	RCAN3: Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development. Belongs to the RCAN family. 2 isoforms of the human protein are produced by alternative splicing. Chromosomal Location of Human Ortholog: 1p36.11 Molecular Function: RNA binding; troponin I binding Biological Process: anatomical structure morphogenesis; calcium-mediated signaling
Research Articles on RCAN3	**1.** Data shows RCAN3 inhibits HUVEC proliferation both basally and under VEGF or phorbol 12-myristate 13-acetate-stimulated conditions, however it does not modulate gene expression of the chosen inflammatory genes.
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