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PRODUCT DATASHEET

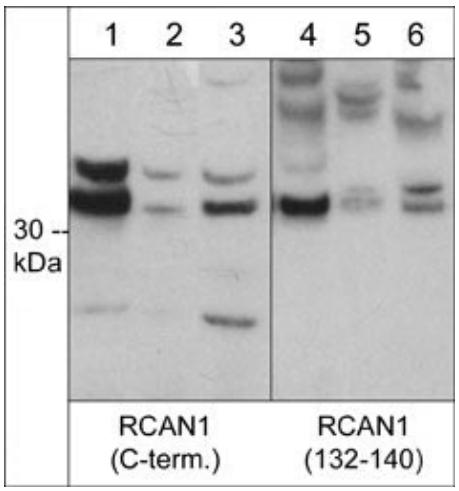
Anti-RCAN1/Dscr1 (central region) Antibody

Product Details

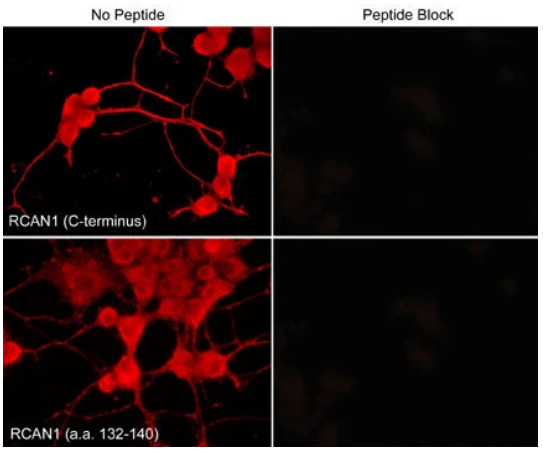
Available Variants	100 µL (SKU:RP3961)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	RCAN1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:1000 ICC: 6:00
Species Reactivity	Human, Mouse, Rat
Immunogen	RCAN1 synthetic peptide (coupled to carrier protein) corresponds to amino acids from the central region of human RCAN1S (isoform 2). This sequence is highly conserved in rat and mouse RCAN1, and this sequence is found in all four isoforms of RCAN1. In addition, this sequence has significant homology to RCAN2 and RCAN3.
Specificity	The antibody detects several isoforms of RCAN1 on SDS-PAGE immunoblots of mouse C2C12, rat PC12, and human Jurkat cells. The predominate isoform detected is the 38 kDa RCAN1L, but the antibody may also detect RCAN2 and RCAN3.
Molecular Weight	38
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at

	-20°C.
UniProt ID	P53805 UniProt Summary: Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	1827

Product Images



Western blot analysis of RCAN1 expression in human Jurkat (lanes 1 & 4), mouse C2C12 (lanes 2 & 5), and rat PC12 (lanes 3 & 6). The blot was probed with rabbit polyclonal anti-RCAN1 (C-terminus) at 1:1000 and anti-RCAN1 (a.a. 132-140) at 1:500.



Immunocytochemical labeling of RCAN1 in aldehyde-fixed NGF-differentiated PC12 cells. The cells were labeled with rabbit polyclonal anti-RCAN1 (C-terminus) (RP3941) and anti-RCAN1 (a.a. 132-140) (RP3961) antibodies (Left side). These antibodies were also used in the presence (Right side) of blocking peptide RX3945 and RX3965, respectively. The antibodies were detected using appropriate secondary antibody conjugated to DyLight® 594.



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