

Datasheet

RCAN1 polyclonal antibody

Catalog Number: PAB4386

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of RCAN1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human RCAN1.

Host: Rabbit

Reactivity: Human

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: ELISA (1:1000)
Western Blot (1:100-500)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1827

Gene Symbol: RCAN1

Gene Alias: ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1

Gene Summary: 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]

References:

1. Vascular endothelial growth factor- and thrombin-induced termination factor, Down syndrome critical region-1, attenuates endothelial cell proliferation and angiogenesis. Minami T, Horiuchi K, Miura M, Abid MR, Takabe W, Noguchi N, Kohro T, Ge X, Aburatani H, Hamakubo T, Kodama T, Aird WC. J Biol Chem. 2004 Nov 26;279(48):50537-54. Epub 2004 Sep 23.
2. VEGF selectively induces Down syndrome critical region 1 gene expression in endothelial cells: a mechanism for feedback regulation of angiogenesis? Yao YG, Duh EJ. Biochem Biophys Res Commun. 2004 Aug 27;321(3):648-56.
3. Multiple oxidative stress-response members of the Adapt78 family. Michtalik HJ, Narayan AV, Bhatt N, Lin HY, Mulligan MT, Zhang SL, Crawford DR. Free Radic Biol Med. 2004 Aug 15;37(4):454-62.