

RCAN1 rabbit monoclonal antibody

Catalog # H00001827-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human RCAN1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human RCAN1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human RCAN1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — RCAN1

Entrez GeneID	1827
GeneBank Accession#	RCAN1
Gene Name	RCAN1
Gene Alias	ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1
Gene Description	regulator of calcineurin 1
Omim ID	602917
Gene Ontology	Hyperlink
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]
Other Designations	Down syndrome candidate region 1 Down syndrome critical region gene 1 calciopressin 1 calcium and oxidant-inducible mRNA modulatory calcineurin-interacting protein 1 myocyte-enriched calcineurin-interacting protein 1 near DSCR proline-rich protein

Disease

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)