

RCAN1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16791a**Specification**

RCAN1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P53805](#)**RCAN1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 1827**Other Names**

Calciopressin-1, Adapt78, Down syndrome critical region protein 1, Myocyte-enriched calcineurin-interacting protein 1, MCIP1, Regulator of calcineurin 1, RCAN1, ADAPT78, CSP1, DSC1, DSCR1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RCAN1 Antibody (N-term) Blocking Peptide - Protein Information**Name** RCAN1**Synonyms** ADAPT78, CSP1, DSC1, DSCR1**Function**

Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A (PubMed:12809556). Could play a role during central nervous system development (By similarity).

Tissue Location

Highly expressed heart, brain and skeletal muscle. Also expressed in all other tissues

RCAN1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RCAN1 Antibody (N-term) Blocking Peptide - Images

RCAN1 Antibody (N-term) Blocking Peptide - Background

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.

RCAN1 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Tam, G.W., et al. Biochem. Soc. Trans. 38(2):445-451(2010) Lee, M.Y., et al. Hum. Mol. Genet. 19(3):468-479(2010) Sales, K.J., et al. Am. J. Pathol. 176(1):435-445(2010) Sales, K.J., et al. Biochim. Biophys. Acta 1793(12):1917-1928(2009)