

**DSCR1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6315c****Specification**

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**DSCR1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [P53805](#)  
Other Accession [Q7Z555](#)

**DSCR1 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 1827

**Other Names**

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

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6315c](/product/products/AP6315c) was selected from the C-term region of human DSCR1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**DSCR1 Antibody (C-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: <http://www.uniprot.org/citations/12809556> target="\_blank">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

## **DSCR1 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **DSCR1 Antibody (C-term) Blocking Peptide - Images**

## **DSCR1 Antibody (C-term) Blocking Peptide - Background**

DSCR1 interacts with calcineurin A and inhibits calcineurin-dependent signaling pathways, possibly affecting central nervous system development. The gene for this protein 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 DSCR1 may lead to neurofibrillary tangles such as those associated with Alzheimer disease.

## **DSCR1 Antibody (C-term) Blocking Peptide - References**

Minami, T., et al., J. Biol. Chem. 279(48):50537-50554 (2004). Yao, Y.G., et al., Biochem. Biophys. Res. Commun. 321(3):648-656 (2004). Michtalik, H.J., et al., Free Radic. Biol. Med. 37(4):454-462 (2004). Hesser, B.A., et al., Blood 104(1):149-158 (2004). Iizuka, M., et al., Biochem. Biophys. Res. Commun. 41(4):334-344 (2004).

## **DSCR1 Antibody (C-term) Blocking Peptide - Citations**

- [Glucocorticoid evoked upregulation of RCAN1-1 in human leukemic CEM cells susceptible to apoptosis.](#)