

**DSCR1 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6315b****Specification**

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**DSCR1 Antibody (Center) - Product Information**

Application	<b>WB,E</b>
Primary Accession	<a href="#">P53805</a>
Other Accession	<a href="#">Q7Z555</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>28079</b>
Antigen Region	<b>75-104</b>

**DSCR1 Antibody (Center) - 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**

This DSCR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 75-104 amino acids from the Central region of human DSCR1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DSCR1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**DSCR1 Antibody (Center) - 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**

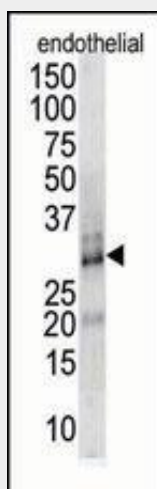
Highly expressed heart, brain and skeletal muscle. Also expressed in all other tissues

**DSCR1 Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DSCR1 Antibody (Center) - Images**



The anti-DSCR1 Pab (Cat. #AP6315b) is used in Western blot to detect DSCR1 in endothelial cell lysate.



Endothelial cell lysate transferred to membrane was incubated with primary antibody at a 1:500 dilution in 2% BSA in TBST at 4 deg C overnight. Data courtesy of Dr. Katherine Healey, NWCRF Institute, School of Biological Sciences, University of Wales Bangor.

**DSCR1 Antibody (Center) - Background**

DSCR1 (calcipressin 1) 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 this gene may lead to neurofibrillary tangles such as those associated with Alzheimer disease.

#### **DSCR1 Antibody (Center) - 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).