# DSCR1 Antibody – Mouse Monoclonal

## PRODUCT OVERVIEW

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| **Product Name** | DSCR1, Monoclonal Antibody |
| **Full Product Name** | DSCR1 (Regulator of Calcineurin 1, ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1) (MaxLight 750) |
| **Product Gene Name** | anti-DSCR1 antibody |
| **Product Synonym Names** | Regulator of Calcineurin 1; ADAPT78; CSP1; DSC1; DSCR1; MCIP1; RCN1 |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b,k |
| **Clone Number** | 1B1 |
| **Host** | Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750. |
| **Purity/Purification** | Purified |
| **Specificity** | Recognizes DSCR1. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Immunogen** | DSCR1 (AAH02864, 1aa-100aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD. |
| **Immunogen Sequence** | MEEVDLQDLPSATIACHLDPRVFVDGLCRAKFESLFRTYDKDITFQYFKSFKRVRINFSNPFSAADARLQLHKTEFLGKEMKLYFAQTLHIGSSHLAPPN |
| **Conjugate** | MaxLight750 |
| **Product Categories/Family for anti-DSCR1 antibody** | Antibodies; Disease Markers |
| **Applications Tested/Suitable for anti-DSCR1 antibody** | Immunofluorescence (IF), Western Blot (WB) |
| **Application Notes for anti-DSCR1 antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-DSCR1 antibody** | 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] |
| **Product References and Citations for anti-DSCR1 antibody** | 1. Creation and characterization of BAC-transgenic mice with physiological overexpression of epitope-tagged RCAN1 (DSCR1).Xing L, Salas M, Zhang H, Gittler J, Ludwig T, Lin CS, Murty VV, Silverman W, Arancio O, Tycko B.Mamm Genome. 2012 Oct 25. |

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| **Other Notes** | Small volumes of anti-DSCR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for DSCR1 purchase** | MBS6237971 is an antibody targeting DSCR1. Also known as DSCR1 (Regulator of Calcineurin 1, ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1) (MaxLight 750). Host: Mouse. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DSCR1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 12804023 |
| **NCBI GeneID** | 1827 |
| **NCBI Accession #** | AAH02864 |
| **UniProt Related Accession #** | P53805 |
| **NCBI Official Full Name** | RCAN1 protein |
| **NCBI Official Synonym Full Names** | regulator of calcineurin 1 |
| **NCBI Official Symbol** | RCAN1 |
| **NCBI Official Synonym Symbols** | CSP1; DSC1; RCN1; DSCR1; MCIP1; ADAPT78 |
| **NCBI Protein Information** | calcipressin-1 |
| **NCBI Summary for DSCR1** | 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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013] |
| **Research Articles on DSCR1** | **1.** Findings suggest a new translational regulatory mechanism for DSCR1.4 expressions and a novel function of DAP5 as a positive regulator of DSCR1.4 mRNA translation induced in soma and axon of hippocampal neurons. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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