



# DSCR 1 Monoclonal Antibody

|                    |  |
|--------------------|--|
| Catalog No         | BYmab-03827  |
| Isotype            | IgG  |
| Reactivity         | Human;Mouse;Rat  |
| Applications       | WB   |
| Gene Name          | RCAN1  |
| Protein Name       | Calciopressin-1  |
| Immunogen          | The antiserum was produced against synthesized peptide derived from human RCAN1. AA range:201-250  |
| Specificity        | DSCR 1 Monoclonal Antibody detects endogenous levels of DSCR 1 protein.  |
| Formulation        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| Source             | Monoclonal, Mouse,IgG  |
| Purification       | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.   |
| Dilution           | WB 1:500-2000  |
| Concentration      | 1 mg/ml  |
| Purity             | ≥90%   |
| Storage Stability  | -20°C/1 year   |
| Synonyms           | RCAN1; ADAPT78; CSP1; DSC1; DSCR1; Calciopressin-1; Adapt78; Down syndrome critical region protein 1; Myocyte-enriched calcineurin-interacting protein 1; MCIP1; Regulator of calcineurin 1  |
| Observed Band      | 22kD   |
| Cell Pathway       | intracellular,nucleus,cytoplasm,   |
| Tissue Specificity | Highly expressed heart, brain and skeletal muscle. Also expressed in all other tissues.  |
| Function           | function:Inhibits calcineurin-dependent transcriptional responses by binding to the catalytic domain of calcineurin A. Could play a role during central nervous system development.,induction:By calcium.,similarity:Belongs to the RCAN family.,tissue specificity:Highly expressed heart, brain and skeletal muscle. Also expressed in all other tissues., |
| 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   |

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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],

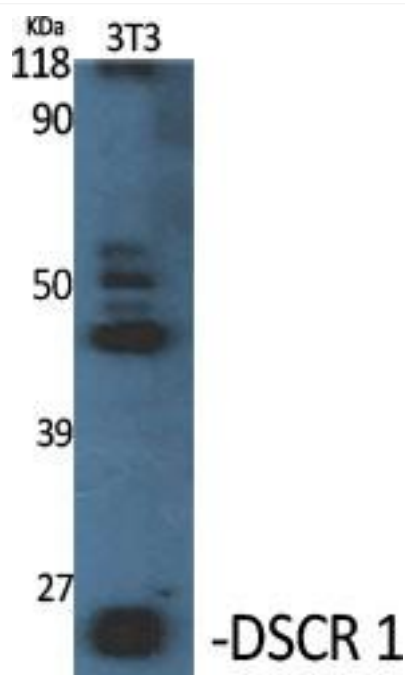
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using DSCR 1 Monoclonal Antibody