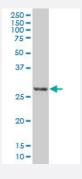


DSCR1 monoclonal antibody (M01A), clone 1G7

Catalog # H00001827-M01A Size 200 uL

Applications



Western Blot (Cell lysate)

DSCR1 monoclonal antibody (M01A), clone 1G7. Western Blot analysis of DSCR1 expression in COLO 320 HSR (Cat # L020V1).



Western Blot detection against Immunogen (36.63 KDa).

| Specification | |
|---------------------|---|
| Product Description | Mouse monoclonal antibody raised against a partial recombinant DSCR1. |
| lmmunogen | DSCR1 (AAH02864, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | MEEVDLQDLPSATIACHLDPRVFVDGLCRAKFESLFRTYDKDITFQYFKSFKRVRINFSNPFSAAD ARLQLHKTEFLGKEMKLYFAQTLHIGSSHLAPPN |
| Host | Mouse |
| Reactivity | Human |
| Isotype | lgG1 Kappa |



Product Information

| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa). |
|-------------------------|---|
| Storage Buffer | In ascites fluid |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

Western Blot (Cell lysate)

DSCR1 monoclonal antibody (M01A), clone 1G7. Western Blot analysis of DSCR1 expression in COLO 320 HSR (Cat # L020V1).

Protocol Download

• Western Blot (Recombinant protein)

Protocol Download

ELISA

| Gene Info — RCAN1 | |
|---------------------|--|
| Entrez GeneID | <u>1827</u> |
| GeneBank Accession# | BC002864 |
| Protein Accession# | <u>AAH02864</u> |
| Gene Name | RCAN1 |
| Gene Alias | ADAPT78, CSP1, DSC1, DSCR1, MCIP1, RCN1 |
| Gene Description | regulator of calcineurin 1 |
| Omim ID | 602917 |
| Gene Ontology | <u>Hyperlink</u> |
| Gene Summary | The protein encoded by this gene interacts with calcineurin A and inhibits calcineurin-dependent s ignaling 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 Information

Other Designations

Down syndrome candidate region 1 Down syndrome critical region gene 1 calcipressin 1 calcium and oxidant-inducible mRNA modulatory calcineurin-interacting protein 1 myocyte-enriched calcin eurin-interacting protein 1 near DSCR proline-rich protein

Publication Reference

Down syndrome candidate region 1 isoform 1 mediates angiogenesis through the calcineurin-NFAT pathway.

Qin L, Zhao D, Liu X, Nagy JA, Hoang MV, Brown LF, Dvorak HF, Zeng H.

Molecular Cancer Research: MCR 2006 Nov; 4(11):811.

Application: WB, Mouse, Mouse ears

Disease

- Cognition
- Genetic Predisposition to Disease
- Schizophrenia
- Tobacco Use Disorder