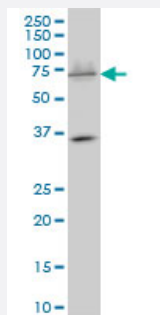


SMARCD3 monoclonal antibody (M01), clone 1G6

Catalog # H00006604-M01

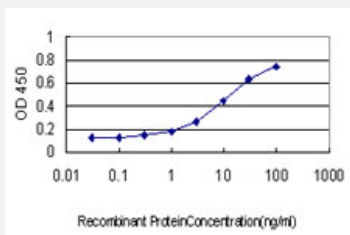
Size 100 ug

Applications



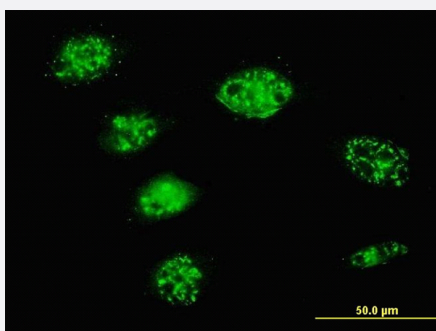
Western Blot (Cell lysate)

SMARCD3 monoclonal antibody (M01), clone 1G6 Western Blot analysis of SMARCD3 expression in K-562 (Cat # L009V1).



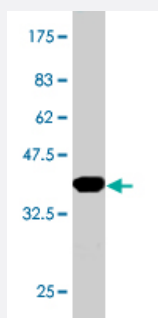
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMARCD3 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to SMARCD3 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.63 KDa) .

Specification

| | |
|--------------------------------------|---|
| Product Description | Mouse monoclonal antibody raised against a partial recombinant SMARCD3. |
| Immunogen | SMARCD3 (NP_001003801, 385 a.a. ~ 483 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | ISALDSKIHETIESINQLKIQRDFMLSFSDPKGYVDLLRSQSRDLKVMTDVAGNPEEEERRAEFYH QPWSQEAVSRYFYCKIQRRQELEQSLVVRNT |
| Host | Mouse |
| Reactivity | Human |
| Interspecies Antigen Sequence | Mouse (100); Rat (100) |
| Isotype | IgG2a Kappa |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) . |
| Storage Buffer | In 1x PBS, pH 7.4 |
| Storage Instruction | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot (Cell lysate)

SMARCD3 monoclonal antibody (M01), clone 1G6 Western Blot analysis of SMARCD3 expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SMARCD3 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to SMARCD3 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — SMARCD3

| | |
|---------------------|--|
| Entrez GeneID | 6604 |
| GeneBank Accession# | NM_001003801 |
| Protein Accession# | NP_001003801 |
| Gene Name | SMARCD3 |
| Gene Alias | BAF60C, CRACD3, MGC111010, Rsc6p |
| Gene Description | SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3 |
| Omim ID | 601737 |
| Gene Ontology | Hyperlink |
| Gene Summary | The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and has sequence similarity to the yeast Swp73 protein. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq] |
| Other Designations | 60kDa BRG-1/Brm associated factor subunit c SWI/SNF complex 60 kDa subunit C SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3, isoform 1 Swp73-like protein chromatin remodeling complex BAF60C subunit mammal |

Publication Reference

- [Directing cardiomyogenic differentiation of human pluripotent stem cells by plasmid-based transient overexpression of cardiac transcription factors.](#)

Hartung S, Schwanke K, Haase A, David R, Franz WM, Martin U, Zweigerdt R.

Stem Cells and Development 2013 Apr; 22(7):1112.

Application: IF, Human, hCBiPS2

- [Massively parallel sequencing identifies the gene Megf8 with ENU-induced mutation causing heterotaxy.](#)

Zhang Z, Alpert D, Francis R, Chatterjee B, Yu Q, Tansey T, Sabol SL, Cui C, Bai Y, Koriabine M, Yoshinaga Y, Cheng JF, Chen F, Martin J, Schackwitz W, Gunn TM, Kramer KL, De Jong PJ, Pennacchio LA, Lo CW.

PNAS 2009 Mar; 106(9):3219.

Application: IF, Mouse, MEFs

- [The core component of the mammalian SWI/SNF complex SMARCD3/BAF60c is a coactivator for the nuclear retinoic acid receptor.](#)

Flajollet S, Lefebvre B, Cudejko C, Staels B, Lefebvre P.

Molecular and Cellular Endocrinology 2007 Feb; 270(1-2):23.

Application: WB, Mouse, P19CL6 cells