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SMARCD3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SMARCD3.
Catalog # AT3954a

Specification

SMARCD3 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	Q6STE5
Other Accession	NM_001003801
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**55016**

SMARCD3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 6604

Other Names
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 3, 60 kDa BRG-1/Brm-associated factor subunit C, BRG1-associated factor 60C, BAF60C, SMARCD3, BAF60C

Target/Specificity
SMARCD3 (NP_001003801, 385 a.a. ~ 483 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SMARCD3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SMARCD3 Antibody (monoclonal) (M01) - Protocols

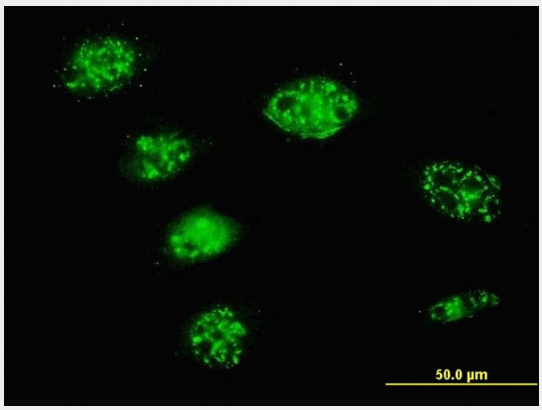
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides

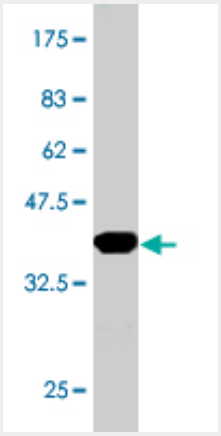
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- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

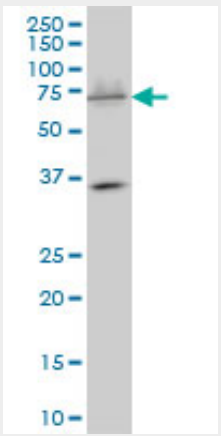
SMARCD3 Antibody (monoclonal) (M01) - Images



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

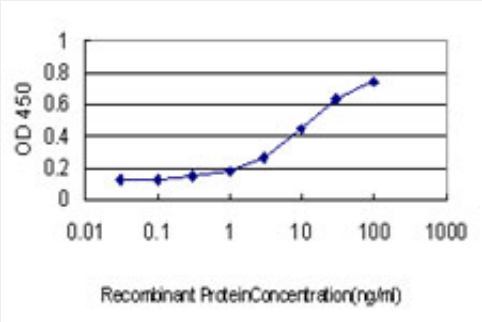


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



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SMARCD3 monoclonal antibody (M01), clone 1G6 Western Blot analysis of SMARCD3 expression in K-562 ((Cat # AT3954a)



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

SMARCD3 Antibody (monoclonal) (M01) - Background

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.

SMARCD3 Antibody (monoclonal) (M01) - References

1.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 RStem Cells Dev. 2013 Apr 1;22(7):1112-25. doi: 10.1089/scd.2012.0351. Epub 2013 Jan 18.2.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.Proc Natl Acad Sci U S A. 2009 Mar 3;106(9):3219-24. Epub 2009 Feb 13.3.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.Mol Cell Endocrinol. 2007 May 30;270(1-2):23-32. Epub 2007 Feb 15.