

## **SMARCD3 Antibody (monoclonal) (M04)**

Mouse monoclonal antibody raised against a partial recombinant SMARCD3.

Catalog # AT3955a

### **Specification**

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#### **SMARCD3 Antibody (monoclonal) (M04) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O6STE5</a>
Other Accession	<a href="#">NM_001003801</a>
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	55016

#### **SMARCD3 Antibody (monoclonal) (M04) - 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) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

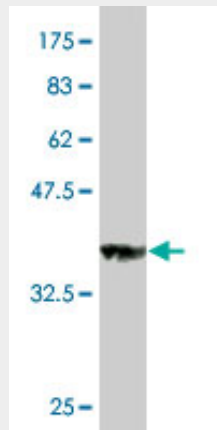
#### **SMARCD3 Antibody (monoclonal) (M04) - Protocols**

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

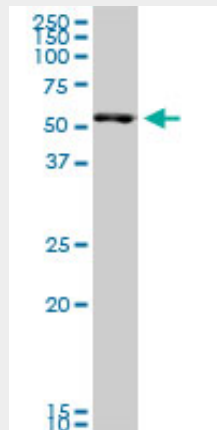
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

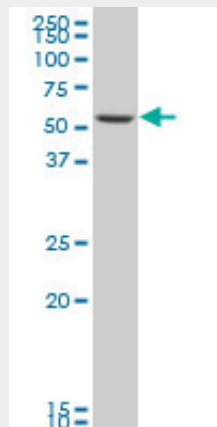
### SMARCD3 Antibody (monoclonal) (M04) - Images



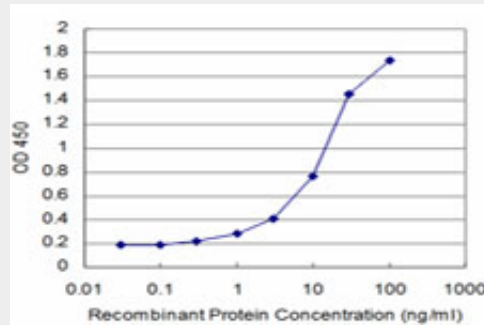
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



SMARCD3 monoclonal antibody (M04), clone 5B6. Western Blot analysis of SMARCD3 expression in PC-12 (Cat # AT3955a )



SMARCD3 monoclonal antibody (M04), clone 5B6 Western Blot analysis of SMARCD3 expression in NIH/3T3( (Cat # AT3955a )



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

### **SMARCD3 Antibody (monoclonal) (M04) - 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) (M04) - References**

Baf60c is a component of the neural progenitor-specific BAF complex in developing retina. Lamba DA, et al. Dev Dyn, 2008 Oct. PMID 18816825. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983. The SWI/SNF chromatin-remodeling complex is a cofactor for Tat transactivation of the HIV promoter. Mahmoudi T, et al. J Biol Chem, 2006 Jul 21. PMID 16687403. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Transcription factors and nuclear receptors interact with the SWI/SNF complex through the BAF60c subunit. Debril MB, et al. J Biol Chem, 2004 Apr 16. PMID 14701856.

### **SMARCD3 Antibody (monoclonal) (M04) - Citations**

- [SWI/SNF factors required for cellular resistance to DNA damage include ARID1A and ARID1B and show interdependent protein stability.](#)