

## **SPARC Antibody (monoclonal) (M02)**

Mouse monoclonal antibody raised against a full length recombinant SPARC.

Catalog # AT4014a

### **Specification**

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#### **SPARC Antibody (monoclonal) (M02) - Product Information**

Application	WB, E
Primary Accession	<a href="#">P09486</a>
Other Accession	<a href="#">BC004974</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	34632

#### **SPARC Antibody (monoclonal) (M02) - Additional Information**

**Gene ID** 6678

##### **Other Names**

SPARC, Basement-membrane protein 40, BM-40, Osteonectin, ON, Secreted protein acidic and rich in cysteine, SPARC, ON

##### **Target/Specificity**

SPARC (AAH04974.1, 1 a.a. ~ 303 a.a) full-length 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**

SPARC Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

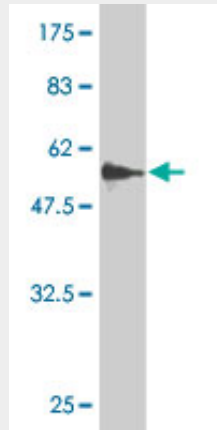
#### **SPARC Antibody (monoclonal) (M02) - Protocols**

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

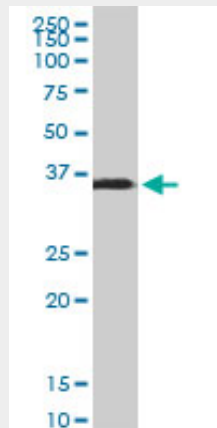
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

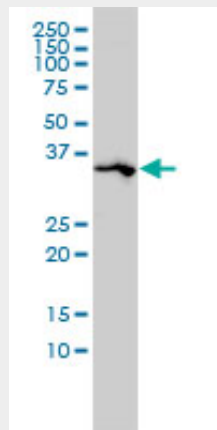
### SPARC Antibody (monoclonal) (M02) - Images



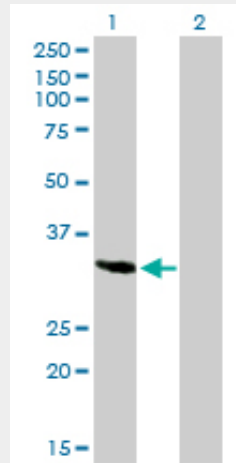
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (59.07 KDa) .



SPARC monoclonal antibody (M02), clone 1B2. Western Blot analysis of SPARC expression in human kidney.

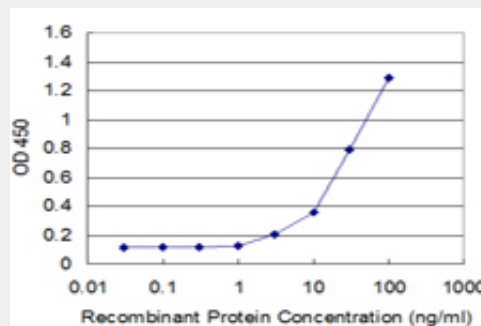


SPARC monoclonal antibody (M02), clone 1B2 Western Blot analysis of SPARC expression in A-431 ( (Cat # AT4014a )



Western Blot analysis of SPARC expression in transfected 293T cell line by SPARC monoclonal antibody (M02), clone 1B2.

Lane 1: SPARC transfected lysate(34.6 KDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged SPARC is approximately 3ng/ml as a capture antibody.

### SPARC Antibody (monoclonal) (M02) - Background

Secreted protein acidic and rich in cysteine/osteonectin/BM40, or SPARC, is a matrix-associated protein that elicits changes in cell shape, inhibits cell-cycle progression, and influences the synthesis of extracellular matrix (ECM) (Bradshaw et al., 2003 [PubMed 12721366]).

### SPARC Antibody (monoclonal) (M02) - References

1.The matricellular protein SPARC supports follicular dendritic cell networking toward Th17 responses.Piconese S, Costanza M, Tripodo C, Sangaletti S, Musio S, Pittoni P, Poliani PL, Burocchi A, Passafaro AL, Gorzanelli A, Vitali C, Chiodoni C, Barnaba V, Pedotti R, Colombo MP.J Autoimmun. 2011 Sep 28.