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SPARC Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant SPARC.
Catalog # AT4014a

Specification

SPARC Antibody (monoclonal) (M02) - Product Information

Application	**WB, E**
Primary Accession	P09486
Other Accession	BC004974
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

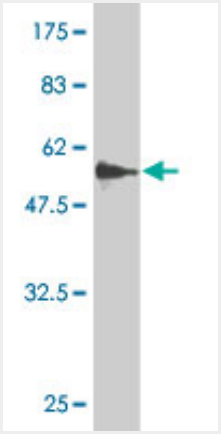
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

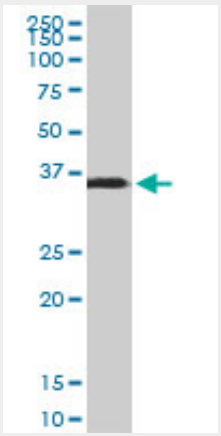
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

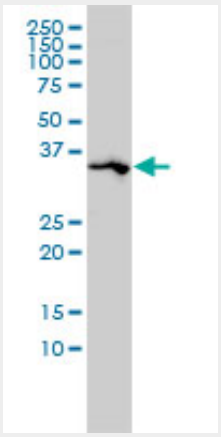
SPARC Antibody (monoclonal) (M02) - Images



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

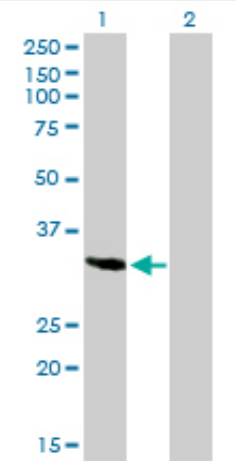


SPARC monoclonal antibody (M02), clone 1B2. Western Blot analysis of SPARC expression in human kidney.



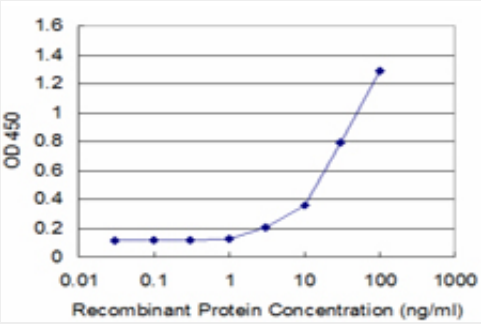
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SPARC monoclonal antibody (M02), clone 1B2 Western Blot analysis of SPARC expression in A-431 ((Cat # AT4014a)



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.