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SPARC Antibody (monoclonal) (M02)

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

Product Information

Application	WB, E
Primary Accession	P09486
Other Accession	BC004974
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1B2
Calculated MW	34632

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 E~~N/A
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.

Background

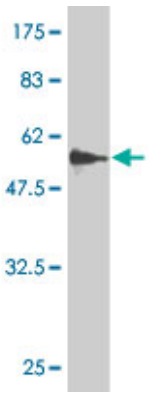
Secreted protein acidic and rich in cysteine/osteonectin/BM40, or SPARC, is a matrix-associated protein that elicits changes in cell shape, inhibits cell-cycle progression, and influences the synthesis of extracellular matrix (ECM) (Bradshaw et al., 2003 [PubMed 12721366]).

References

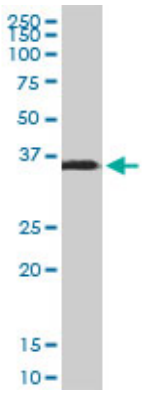
1.The matricellular protein SPARC supports follicular dendritic cell networking toward Th17 responses.Piconese S, Costanza M, Tripodo C, Sangaletti S, Musio S, Pittoni P, Poliani PL, Burocchi A, Passafaro AL, Gorzanelli A, Vitali C, Chiodoni C, Barnaba V, Pedotti R, Colombo MP.J Autoimmun. 2011 Sep

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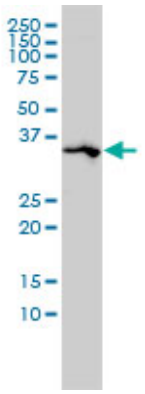
Images



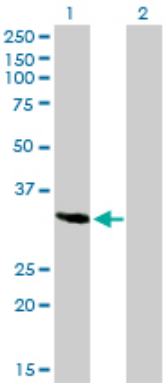
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (59.07 KDa) .



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



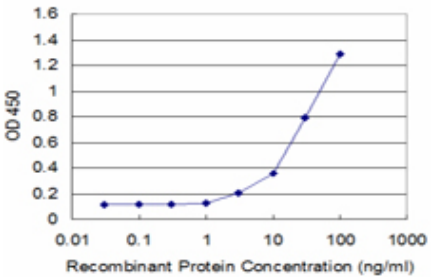
SPARC monoclonal antibody (M02), clone 1B2 Western Blot analysis of SPARC expression in A-431 ((Cat # AT4014a)



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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.