

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. |

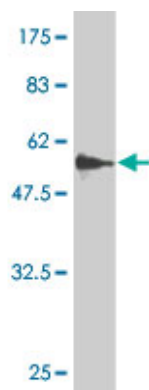
Background

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]).

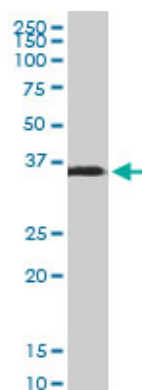
References

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

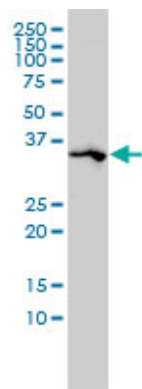
Images



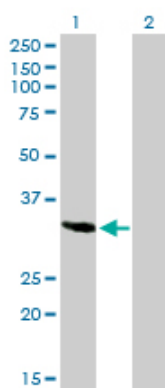
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (59.07 KDa) .



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



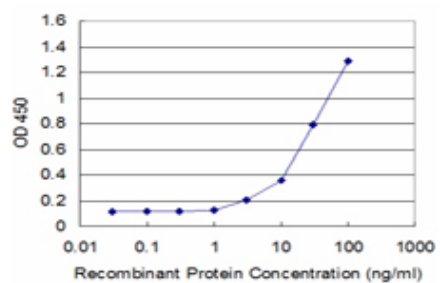
SPARC monoclonal antibody (M02), clone 1B2 Western Blot analysis of SPARC expression in A-431 ((Cat # AT4014a)



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'.