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SPARC Antibody(C-term) Antibody(Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2175a

Specification

SPARC Antibody(C-term) Antibody(Ascites) - Product Information

Application	**WB,E**
Primary Accession	P09486
Other Accession	P36378, P16975, P36233, P20112, P07214, P36377, P13213, NP_003109
Reactivity	**Human**
Predicted	**Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Xenopus**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**34632**
Antigen Region	**224-251**

SPARC Antibody(C-term) Antibody(Ascites) - Additional Information

Gene ID 6678

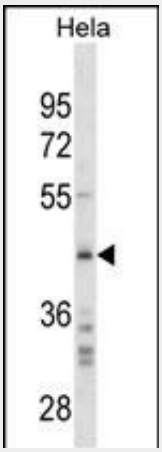
Other Names
SPARC, Basement-membrane protein 40, BM-40, Osteonectin, ON, Secreted protein acidic and rich in cysteine, SPARC, ON

Target/Specificity
This SPARC antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 224-251 amino acids from the C-terminal region of human SPARC.

Dilution
WB~~1:500~1000

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage
Maintain refrigerated at 2-8°C for up to 2



SPARC Antibody (C-term)(Ascites)(Cat. #AM2175a) western blot analysis in Hela cell line lysates (35µg/lane).This demonstrates the SPARC antibody detected the SPARC protein (arrow).

SPARC Antibody(C-term) Antibody(Ascites) - 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(C-term) Antibody(Ascites) - References

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)
Howard, C., et al. Histol. Histopathol. 25(9):1163-1169(2010)
Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :
Liang, J.F., et al. J. Exp. Clin. Cancer Res. 29, 71

weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SPARC Antibody(C-term) Antibody(Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

SPARC Antibody(C-term) Antibody(Ascites) - Protein Information

Name SPARC

Synonyms ON

Function
Appears to regulate cell growth through interactions with the extracellular matrix and cytokines. Binds calcium and copper, several types of collagen, albumin, thrombospondin, PDGF and cell membranes. There are two calcium binding sites; an acidic domain that binds 5 to 8 Ca(2+) with a low affinity and an EF-hand loop that binds a Ca(2+) ion with a high affinity.

Cellular Location
Secreted, extracellular space, extracellular matrix, basement membrane. Note=In or around the basement membrane

(2010) :

SPARC Antibody(C-term) Antibody(Ascites) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture