Mouse SPARC Monoclonal Antibody | anti-SPARC antibody

SPARC Antibody (C-term) Antibody (Ascites)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283525	**Mouse**	**Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Xenopus)**	**ELISA, Western Blot**

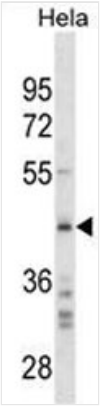
PRODUCT SYNONYMS

SPARC; Monoclonal Antibody; SPARC Antibody (C-term) Antibody (Ascites); Basement-membrane protein 40; BM-40; Osteonectin; ON; Secreted protein acidic and rich in cysteine; anti-SPARC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Xenopus)
Clonality	Monoclonal
Isotype	IgG1
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.
Form/Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Sequence Positions	224-251
Sequence Length	303
Applicable Applications for anti-SPARC antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane. Note: In or around the basement membrane
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
SPARC Antibody (C-term)(Ascites) western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the SPARC antibody detected the SPARC protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-SPARC antibody	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]). 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.
Product Categories/Family for anti-SPARC antibody	Cancer; Cardiovascular; Cell Biology; Developmental Biology; Signal Transduction
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 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507171
NCBI GeneID	6678
NCBI Accession #	NP_003109.1
NCBI GenBank Nucleotide #	NM_003118.3
UniProt Accession #	P09486; Q6IBK4; D3DQH9
Molecular Weight	34632
NCBI Official Full Name	SPARC isoform 1
NCBI Official Synonym Full Names	secreted protein, acidic, cysteine-rich (osteonectin)
NCBI Official Symbol	SPARC
NCBI Official Synonym Symbols	ON; BM-40
NCBI Protein Information	SPARC
UniProt Protein Name	SPARC
UniProt Gene Name	**SPARC**
UniProt Synonym Gene Names	ON; BM-40; ON
UniProt Entry Name	SPRC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/sparc-antibody-western-blot-elisa/283525