

Rabbit SPARC Polyclonal Antibody | anti-SPARC antibody

SPARC Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286774	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Xenopus)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

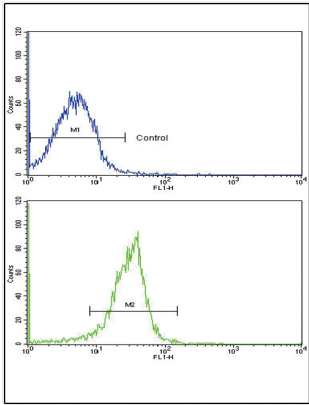
PRODUCT SYNONYMS

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

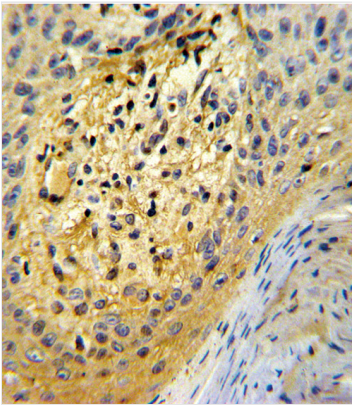
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rabbit, Rat, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SPARC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 224-251 amino acids from the C-terminal region of human SPARC.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	224-251
Sequence Length	303
Applicable Applications for anti-SPARC antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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 matrix, basement membrane. Note= In or around the basement membrane.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

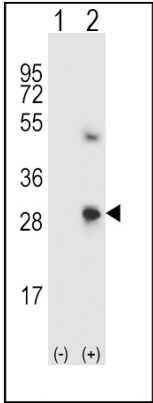
IMAGES



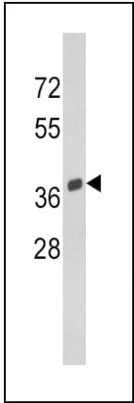
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of wdr cells using SPARC Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human skin tissue reacted with SPARC Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of SPARC (arrow) using rabbit polyclonal SPARC Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SPARC gene.



WB (Western Blot)
Western blot analysis of SPARC Antibody (C-term) in Y79 cell line lysates (35ug/lane). SPARC (arrow) was detected using the purified Pab.

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).
Product Categories/Family for anti-SPARC antibody	Cancer; Cardiovascular; Cell Biology; Immunology
References	Said,N., Oncogene 28 (39), 3487-3498 (2009) Maloney,S.C., Anticancer Res. 29 (8), 3059-3064 (2009)

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/polyclonal/sparc-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286774>