

SPARC Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6743B

Specification

SPARC Antibody (C-term) - Product Information

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

SPARC Antibody (C-term) - 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 rabbits immunized with a KLH conjugated synthetic peptide between 224-251 amino acids from the C-terminal region of human SPARC.

Dilution

WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

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.

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.

Precautions

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

SPARC Antibody (C-term) - 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

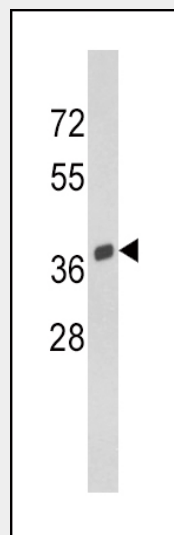
Secreted, extracellular space, extracellular matrix, basement membrane. Note=In or around the basement membrane

SPARC Antibody (C-term) - Protocols

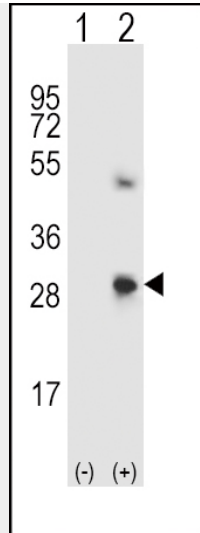
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

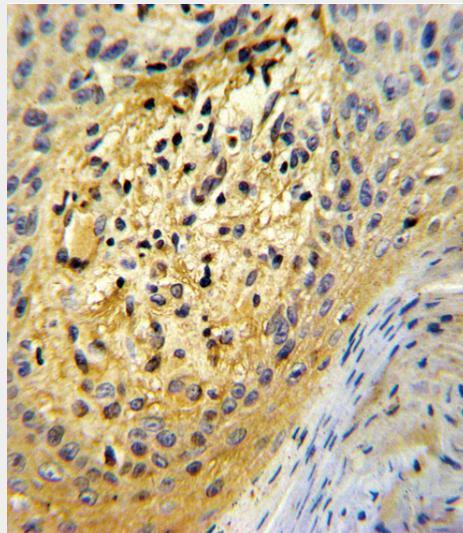
SPARC Antibody (C-term) - Images



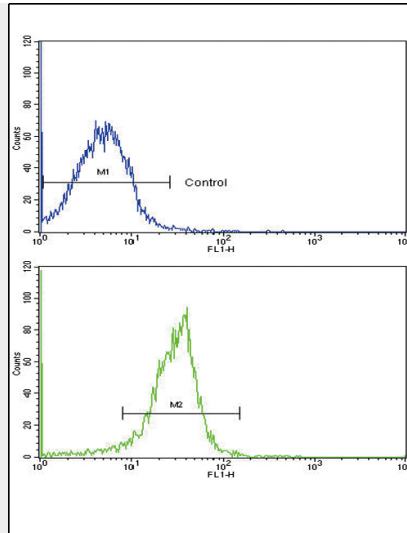
Western blot analysis of SPARC Antibody (C-term) (Cat. #AP6743b) in Y79 cell line lysates (35ug/lane). SPARC (arrow) was detected using the purified Pab.



Western blot analysis of SPARC (arrow) using rabbit polyclonal SPARC Antibody (C-term) (Cat. #AP6743b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SPARC gene.



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.



Flow cytometric analysis of wild 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.

SPARC Antibody (C-term) - 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).

SPARC Antibody (C-term) - References

Said,N., *Oncogene* 28 (39), 3487-3498 (2009)
Maloney,S.C., *Anticancer Res.* 29 (8), 3059-3064 (2009)