

Rabbit anti-Human SPARC Polyclonal Antibody | anti-SPARC antibody

Anti-SPARC Antibody, Rabbit Polyclonal

CATALOG # AAA255252	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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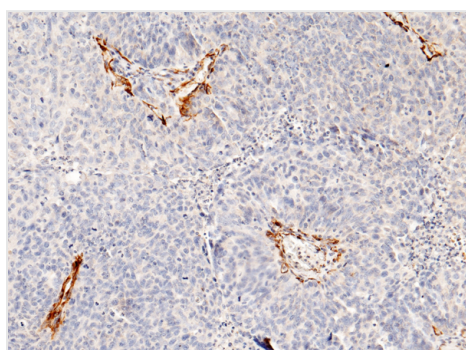
PRODUCT SYNONYMS

SPARC; Polyclonal Antibody; Anti-SPARC Antibody; Rabbit Polyclonal; Osteonectin/SPARC Antibody; Rabbit PAb; Antigen Affinity Purified; secreted protein; acidic; cysteine-rich (osteonectin); Anti-BM-40 Antibody; Anti-ON Antibody; anti-SPARC antibody

PRODUCT SPECIFICATIONS

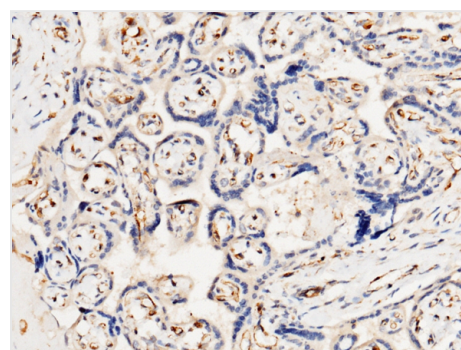
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SPARC/Osteonectin
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-SPARC antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human SPARC protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human SPARC (rh SPARC). SPARC specific IgG was purified by human SPARC affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



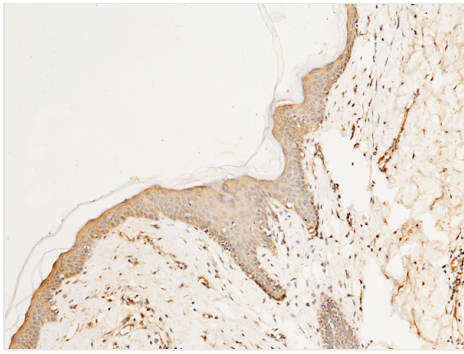
IHC (Immunohistochemistry)

Immunochemical staining of human SPARC in human ovarian cancer with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human SPARC in human placenta with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)
 Immunochemical staining of human SPARC in human skin with rabbit polyclonal antibody
 (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-SPARC antibody	Secreted protein acidic and rich in cysteine (SPARC), also known as Osteonectin (ON), is a member of the SPARC family. SPARC consists of three domains: an EF-hand domain, a follistatin-like domain and a Kazal-like domain, and each of which has independent activity and unique properties. The activity of SPARC is context-and cell-type-dependent, which is highlighted by the fact that SPARC has shown seemingly contradictory effects on tumor progression in both clinical correlative studies and in animal models. The location of SPARC in the nuclear matrix of certain proliferating cells, but only in the cytosol of postmitotic neurons, indicates potential functions of SPARC as a nuclear protein, which might be involved in the regulation of cell cycle progression and mitosis. It functions not only to modulate cell-cell and cell-matrix interactions, but its de-adhesive and growth inhibitory properties in non-transformed cells have led to studies to assess its role in cancer. Its divergent actions reflect the complexity of this protein, because in certain types of cancers, such as melanomas and gliomas, SPARC is associated with a highly aggressive tumor phenotype, while in others, mainly ovarian, neuroblastomas and colorectal cancers, SPARC may function as a tumor suppressor. Recent studies have also demonstrated a role for SPARC in sensitizing therapy-resistant cancers. Notably, SPARC is linked to human obesity.
References	Yan Q, et al. (1999) SPARC, a matricellular glycoprotein with important biological functions. J Histochem Cytochem. 47(12): 1495-506. Brekken RA, et al. (2000) SPARC, a matricellular protein: at the crossroads of cell-matrix. Matrix Biol. 19(7): 569-80. Tai IT, et al. (2008) SPARC in cancer biology: its role in cancer progression and potential for therapy. Drug Resist Updat. 11(6): 231-46. Podhajcer OL, et al. (2008) The role of the matricellular protein SPARC in the dynamic interaction between the tumor and the host. Cancer Metastasis Rev. 27(3): 523-37. Kos K, et al. (2010) SPARC: a key player in the pathologies associated with obesity and diabetes. Nat Rev Endocrinol. 6(4): 225-35.

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	34,632 Da
NCBI Official Full Name	SPARC
NCBI Official Synonym Full Names	secreted protein, acidic, cysteine-rich (osteonectin)
NCBI Official Symbol	SPARC
NCBI Official Synonym Symbols	ON
NCBI Protein Information	SPARC; BM-40; basement-membrane protein 40; cysteine-rich protein; onectin; secreted protein acidic and rich in cysteine

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/sparc-antibody-immunohistochemistry-elisa/255252>