

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

Osteonectin/SPARC Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163142	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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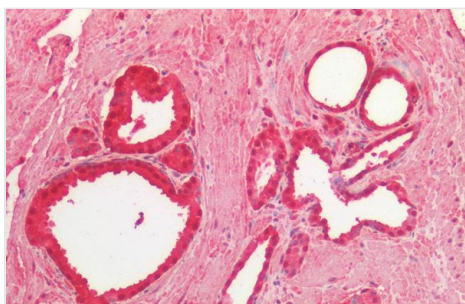
PRODUCT SYNONYMS

Osteonectin/SPARC; Polyclonal Antibody; Osteonectin/SPARC Rabbit anti-Human Polyclonal Antibody; PathPlus Osteonectin/SPARC Antibody; SPARC; Basement-membrane protein 40; BM-40; Cysteine-rich protein; ON; Osteonectin; anti-SPARC antibody

PRODUCT SPECIFICATIONS

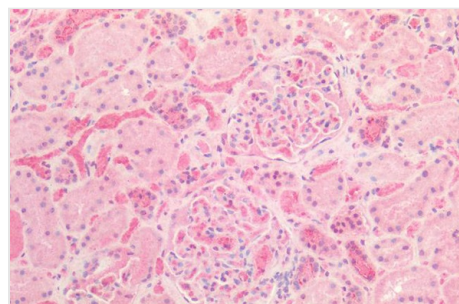
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SPARC antibody	IHC (Immunohistochemistry)
Target	Human Osteonectin/SPARC
Immunogen	LP-11345, synthetic peptide
Conjugation	Unconjugated
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



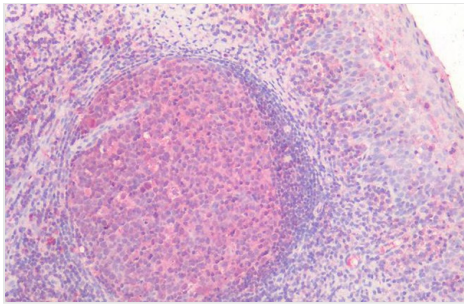
IHC (Immunohistochemistry)

Osteonectin/SPARC Antibody-Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)

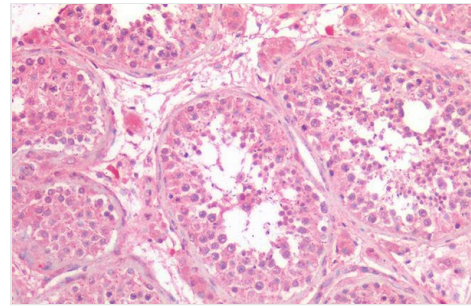


IHC (Immunohistochemisry)

Osteonectin/SPARC Antibody-Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
Osteonectin/SPARC Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
Osteonectin/SPARC Antibody-Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-SPARC antibody	SPARC antibody is an unconjugated rabbit polyclonal antibody to SPARC (Osteonectin) from human. Validated for IHC. SPARC (secreted protein acidic and rich in cysteine, Osteonectin, BM-40) is a matricellular glycoprotein that modulates cellular interactions with the ECM and is expressed in tissues undergoing remodeling. It functions as a de-adhesive protein, as a modulator of growth factor activity, and as a cell-cycle inhibitor. It induces changes in endothelial cell shape via F-actin, coincident with the appearance of intercellular gaps, that provide a paracellular pathway for extravasation of macromolecules. Tumor growth is enhanced in mice lacking SPARC due to changes in the ECM that create a more permissive environment for tumor progression. Additionally, SPARC is overexpressed in breast, prostate, colorectal and other cancers, and high expression of SPARC is a marker of poor prognosis in rectal cancer. In immunohistochemistry of normal tissue, SPARC has cytoplasmic positivity in endothelial cells, megakaryocytes, fibroblasts, some glial cells, seminiferous ducts of the testes, and neurons in the brain.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804; Cancer Biomark. 2017;18(4):459-466, PMID: 28009327;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507171
NCBI GeneID	6678
NCBI Accession #	NP_003109.1
NCBI GenBank Nucleotide #	NM_003118
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; osteonectin; 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.

