Mouse anti-Human SPARC/Osteonectin Monoclonal Antibody | anti-SPARC antibody

SPARC/Osteonectin Mouse Monoclonal Antibody [Clone OSTN/3758]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215937	**Mouse**	**Human**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

SPARC/Osteonectin; Monoclonal Antibody; SPARC/Osteonectin Mouse Monoclonal Antibody [Clone OSTN/3758]; Basement membrane protein 40; BM40; Cysteine rich protein; OI17; ON; Osteonectin; Secreted acidic cystein rich glycoprotein; Secreted protein acidic and cysteine rich; Secreted protein acidic and rich in cysteine (SPARC); anti-SPARC antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	OSTN/3758
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0. 05% BSA & 0. 05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-SPARC antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fragment (around aa1-200) of human SPARC protein (exact sequence is proprietary)
Cellular Localization	Secreted, Basement membrane
Positive Control	Human placenta, lymph node or spleen. JEG3 or A549 cell lysates.
Hu-chromosome Location	5q33.1
Unigene	111779; 708558
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES

WB (Western Blot)
Western blot analysis of JEG-3 cell lysate using SPARC/Osteonectin Mouse Monoclonal Antibody (OSTN/3758).

ADDITIONAL INFORMATION

Related Product Information for anti-SPARC antibody	SPARC (for secreted protein acidic and rich in cysteine) is a phosphorylated, acidic, glycine-rich glycoprotein that is secreted by endothelial cells and is present in large amounts in the parietal endoderm of mouse embryos and in human placenta. It is identical to osteonectin, a protein important to bone calcification that is highly conserved between species. SPARC, which can be selectively expressed by the endothelium in response to certain types of injury, induces rounding in adherent endothelial cells in vitro. It regulates endothelial barrier function through F-Actin-dependent changes in cell shape, coincident with the appearance of intercellular gaps, which provide a paracellular pathway for extravasation of macromolecules.

NCBI AND UNIPROT INFORMATION

NCBI GI #	338325
NCBI GeneID	6678
UniProt Accession #	P09486; Q6IBK4; D3DQH9
Molecular Weight	34,632 Da
NCBI Official Full Name	osteonectin
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; osteonectin; cysteine-rich protein; basement-membrane protein 40; 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://stage.aaabiotech.com/monoclonal/sparc-osteonectin-antibody-clone-ostn-3758-immunohistochemistry-western-blot-elisa/215937