

Rabbit SPARCL1 Polyclonal Antibody | anti-SPARCL1 antibody

Anti-SPARCL1 Antibody

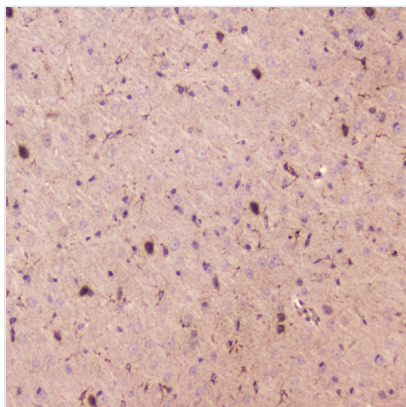
CATALOG # AAA124962	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SPARCL1; Polyclonal Antibody; Anti-SPARCL1 Antibody; SPARC-like protein 1; High endothelial venule protein; Hevin; MAST 9; SPARC-like 1 (hevin); anti-SPARCL1 antibody

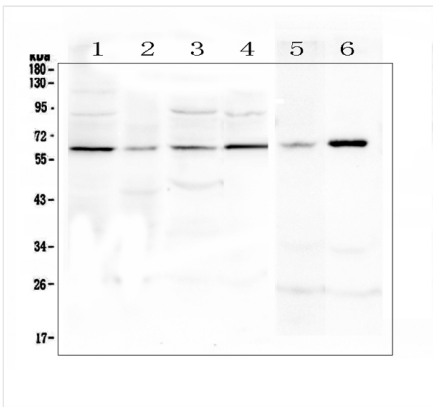
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized
Sequence Length	539
Applicable Applications for anti-SPARCL1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence of human SPARCL1 (ITRFEECDPNKDKHITLKEWGHCFGIKEEDIDENLLF).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Relevant Detection Systems	It is recommended to use an Enhanced Chemiluminescent Kit with anti-Rabbit IgG for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit for IHC-P.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of SPARCL1 using anti-SPARCL1 antibody.SPARCL1 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/mL rabbit anti-SPARCL1 antibody.SPARCL1 was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/mL rabbit anti-SPARCL1 Antibody overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of SPARCL1 using anti-SPARCL1 antibody.Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human U-87MG whole cell lysates,Lane 2: human SHG-44 whole cell lysates,Lane 3: human MDA-MB-231 whole cell lysates,Lane 4: human K562 whole cell lysates,Lane 5: rat C6 whole cell lysates,Lane 6: mouse smooth muscle tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SPARCL1 antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SPARCL1 at approximately 62KD. The expected band size for SPARCL1 is at 75KD.

ADDITIONAL INFORMATION

Related Product Information for anti-SPARCL1 antibody	Description: Rabbit IgG polyclonal antibody for SPARCL1 detection. Tested with WB, IHC-P in Human; Mouse; Rat. Background: SPARCL1 (SPARC-Like Protein 1), also known as HEVIN, is a protein that in humans is encoded by the SPARCL1 gene. The cells in high endothelial venules (HEVs) in lymphoid tissues have a plump, almost cuboidal, appearance and support high levels of lymphocyte extravasation from blood, possibly due to the presence of desmosome-like junctions rather than tight junctions in the HEVs. In chronic inflammation, the activated endothelium of nonlymphoid tissues acquires an HEV-like morphology and function. Hevin is highly expressed in HEV and is thought to contribute to the induction or maintenance of features of the HEV endothelium that facilitate lymphocyte migration.
References	1. Girard, J.-P., Springer, T. A. Cloning from purified high endothelial venule cells of hevin, a close relative of the antiadhesive extracellular matrix protein SPARC. Immunity 2: 113-123, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190194423
NCBI GeneID	8404
NCBI Accession #	NP_001121782.1
NCBI GenBank Nucleotide #	NM_001128310.2
UniProt Accession #	Q14515; Q14800; B4E2Z0; E7ESU2
Molecular Weight	61,760 Da
NCBI Official Full Name	SPARC-like protein 1 isoform 1
NCBI Official Synonym Full Names	SPARC like 1
NCBI Official Symbol	SPARCL1

NCBI Official Synonym Symbols	SC1; MAST9; PIG33; MAST 9
NCBI Protein Information	SPARC-like protein 1
UniProt Protein Name	SPARC-like protein 1
UniProt Gene Name	SPARCL1
UniProt Synonym Gene Names	Hevin

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/sparcl1-antibody-immunohistochemistry-western-blot-elisa/124962>