10320 Camino Santa Fe, Suite G
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Anti-SPARCL1 Antibody
Catalog # ABO11395

Specification

Anti-SPARCL1 Antibody - Product Information

Application	**IHC, WB**
Primary Accession	Q14515
Host	**Rabbit**
Reactivity	**Human, Mouse, Rat**
Clonality	**Polyclonal**
Format	**Lyophilized**

Description
Rabbit IgG polyclonal antibody for SPARC-like protein 1(SPARCL1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-SPARCL1 Antibody - Additional Information

Gene ID 8404

Other Names
SPARC-like protein 1, High endothelial venule protein, Hevin, MAST 9, SPARCL1

Calculated MW
75208 MW KDa

Application Details
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Secreted, extracellular space, extracellular matrix .

Tissue Specificity
Highly expressed in lymph node, brain, heart, lung, skeletal muscle, ovary, small intestine, and colon, with lower levels in placenta, pancreas, testis, spleen, and thymus, and no expression in kidney, liver, and peripheral blood leukocytes.

Protein Name
SPARC-like protein 1

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminus of human SPARCL1(649-664aa HCFGIKEEDIDENLLF), identical to the related mouse and rat sequences.

Purification
Immunogen affinity purified.

Cross Reactivity
No cross reactivity with other proteins

Storage

At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Belongs to the SPARC family.

Anti-SPARCL1 Antibody - Protein Information

Name SPARCL1

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Highly expressed in lymph node, brain, heart, lung, skeletal muscle, ovary, small intestine, and colon, with lower levels in placenta, pancreas, testis, spleen, and thymus, and no expression in kidney, liver, and peripheral blood leukocytes

Anti-SPARCL1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-SPARCL1 Antibody - Images

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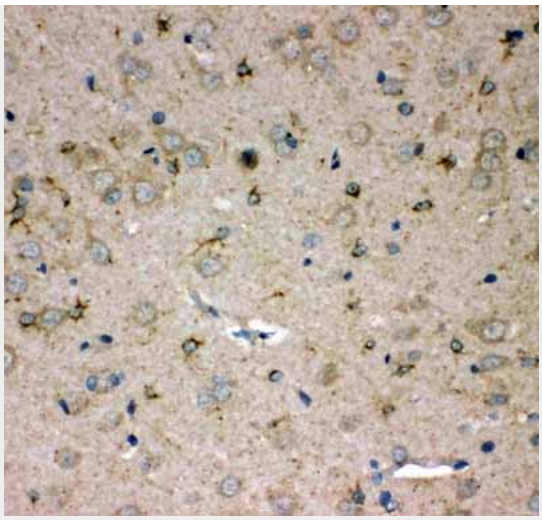
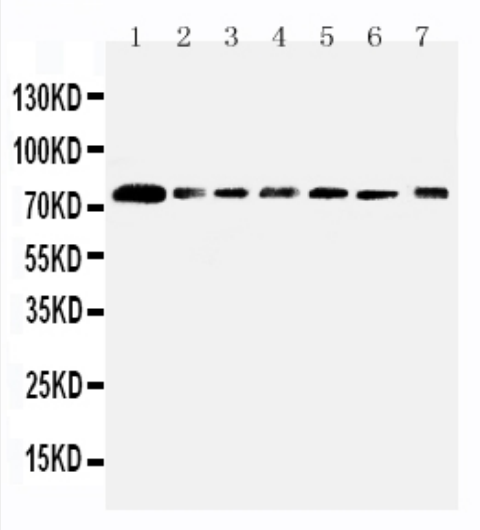
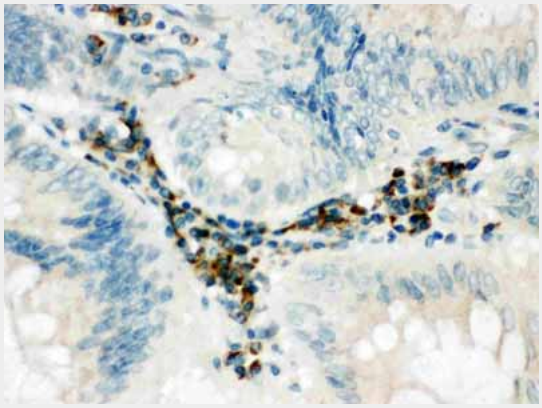


Anti-SPARCL1 antibody, ABO11395, IHC(P)IHC(P): Rat Brain Tissue



Anti-SPARCL1 antibody, ABO11395, Western blottingLane 1: Rat Lung Tissue LysateLane 2: Mouse Lung Tissue LysateLane 3: PANC Cell LysateLane 4: A549 Cell LysateLane 5: COLO320 Cell LysateLane 6: MCF-7 Cell LysateLane 7: HT1080 Cell Lysate



Anti-SPARCL1 antibody, ABO11395, IHC(P)IHC(P): Human Intestinal Cancer Tissue

Anti-SPARCL1 Antibody - 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 though to contribute to the induction or maintenance of features of the HEV endothelium that facilitate lymphocyte migration(Girard and Springer, 1995).