
SPARCL1 Rabbit pAb

Catalog Number: bs-6110R

Target Protein: SPARCL1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse, Rat (predicted:Human, Rabbit, Pig, Horse)

Predicted MW: 74 kDa

Subcellular: Secreted, Extracellular matrix

Locations:

Entrez Gene: 8404

Swiss Prot: Q14515

Source: KLH conjugated synthetic peptide derived from human SPARCL1/Ecm2: 601-664/664.

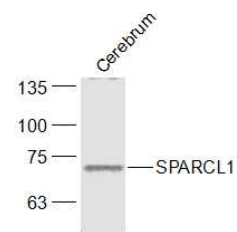
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

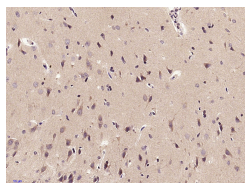
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: SPARC (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. SPARC-like protein 1 (SPARCL1), also known as high endothelial venule protein (Hevin) or MAST9, is a 664 amino acid member of the SPARC family of proteins. Highly expressed in lymph node, heart, lung, brain, skeletal muscle, ovary, colon and small intestine, SPARCL1 is a secreted protein that contains one EF-hand domain, one follistatin-like domain and one Kazal-like domain. SPARCL1 is implicated to play a role in neuronal remodeling and tumor suppression. The gene encoding SPARCL1 maps to chromosome 4q22.1.

VALIDATION IMAGES



Sample: Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-SPARCL1 (bs-6110R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 74 kD Observed band size: 73 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (SPARCL1) Polyclonal Antibody, Unconjugated (bs-6110R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=5.959] Wang Y et al. SPARCL1 promotes C2C12 cell differentiation via BMP7-mediated BMP/TGF- β cell signaling pathway. Cell Death Dis. 2019 Nov 7;10(11):852. IF, WB ; Mouse . 31699966

[IF=3.9] Wallingford et al. Altered Developmental Expression of the Astrocyte-Secreted Factors Hevin and SPARC in the Fragile X Mouse Model. (2017) Front.Mol.Neurosci. 10:268 ICC, WB ; Mouse . 28900386

[IF=0] "Wallingford, J. (2016). Astrocyte-Secreted Factors in Fragile X Mice (Doctoral dissertation).Diss. WB, ICC ; ="Mouse" . macsphere.mcmaster.ca/handle/11375/20505.