## bs-6110R

## [ Primary Antibody ]

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## SPARCL1 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID:** 8404 **SWISS:** Q14515

Target: SPARCL1

**Immunogen:** KLH conjugated synthetic peptide derived from human

SPARCL1/Ecm2: 601-664/664.

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**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.

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,

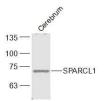
Pig, Horse)

Predicted MW.: 74 kDa

Subcellular Secreted, Extracellular

Location: matrix

#### 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.

### - SELECTED CITATIONS -

- [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=3.2] Li Yang. et al. Glioma-derived SPARCL1 promotes the formation of peritumoral neuron–glioma synapses. J

NEURO-ONCOL. 2025 Apr;:1-12 IHC ;Human. 40227556 • [IF=0] "Wallingford, J. (2016). Astrocyte-Secreted Factors in Fragile X Mice (Doctoral dissertation). Diss. WB,ICC ; Mouse. macsphere.mcmaster.ca/handle/11375/20505.