

bs-6110R**[Primary Antibody]****Bioss**
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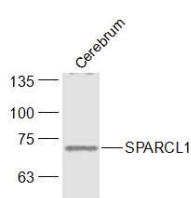
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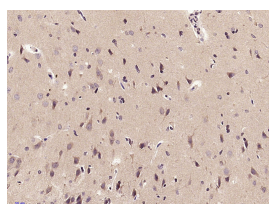
400-901-9800

SPARCL1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 8404	SWISS: Q14515	
Target: SPARCL1		
Immunogen: KLH conjugated synthetic peptide derived from human SPARCL1/Ecm2: 601-664/664.		Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Horse)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 74 kDa
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.		Subcellular Location: Secreted ,Extracellular matrix
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.

— 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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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". mcsphere.mcmaster.ca/handle/11375/20505.