

**bs-1309R****[ Primary Antibody ]****Syndecan-1 Rabbit pAb****Bioss**  
**ANTIBODIES**

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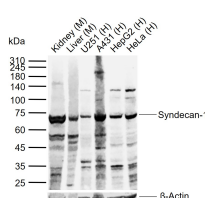
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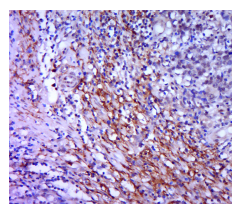
400-901-9800

**— DATASHEET —**

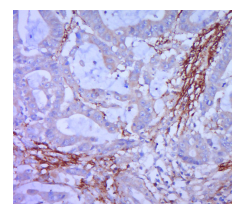
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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------------|
| <b>Host:</b> Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Isotype:</b> IgG  | <b>Applications:</b> <b>WB</b> (1:500-2000)                                                |
| <b>Clonality:</b> Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | <b>IHC-P</b> (1:100-500)                                                                   |
| <b>GeneID:</b> 6382                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>SWISS:</b> P18827 | <b>IHC-F</b> (1:100-500)                                                                   |
| <b>Target:</b> Syndecan-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      | <b>IF</b> (1:100-500)                                                                      |
| <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CD138: 201-310/310. < Cytoplasmic >                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                      | <b>Reactivity:</b> Human, Mouse<br>(predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse) |
| <b>Purification:</b> affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                      |                                                                                            |
| <b>Concentration:</b> 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                      | <b>Predicted MW.:</b> 34 kDa                                                               |
| <b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.<br>Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                      | <b>Observed MW.:</b> 74 kDa                                                                |
| <b>Background:</b> The protein encoded by this gene is a transmembrane (type I) heparan sulfate proteoglycan and is a member of the syndecan proteoglycan family. The syndecans mediate cell binding, cell signaling, and cytoskeletal organization and syndecan receptors are required for internalization of the HIV-1 tat protein. The syndecan-1 protein functions as an integral membrane protein and participates in cell proliferation, cell migration and cell-matrix interactions via its receptor for extracellular matrix proteins. Altered syndecan-1 expression has been detected in several different tumor types. While several transcript variants may exist for this gene, the full-length nature of only two have been described to date. These two represent the major variants of this gene and encode the same protein. [provided by RefSeq, Jul 2008] |                      | <b>Subcellular Location:</b> Secreted ,Cell membrane                                       |

**— VALIDATION IMAGES —**

Sample: Lane 1: Mouse Kidney tissue lysates  
 Lane 2: Mouse Liver tissue lysates Lane 3: Human U251 cell lysates Lane 4: Human A431 cell lysates  
 Lane 5: Human HepG2 cell lysates Lane 6: Human HeLa cell lysates  
 Primary: Anti-Syndecan-1 (bs-1309R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 34 kDa  
 Observed band size: 74 kDa



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Syndecan-1) Polyclonal Antibody, Unconjugated (bs-1309R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human cervical cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Syndecan-1) Polyclonal Antibody, Unconjugated (bs-1309R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=10.7]** Jiannan Zhou. et al. Mapping Immune-Inflammatory Niches on Zirconia Bone Implants: Single-Cell Transcriptomic Profiling. Research. 2026 Mar;9 IF ;Rat. 41815528
- **[IF=5.763]** You Shuang. et al. Recombinant humanized collagen remodels endometrial immune microenvironment of chronic endometritis through macrophage immunomodulation. REGEN BIOMATER. 2023 Apr;: IHC ;Rat. 37122820

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

- **[IF=5.733]** Jiang Yufei. et al. Osteoprotegerin interacts with syndecan-1 to promote human endometrial stromal decidualization by decreasing Akt phosphorylation. Hum Reprod. 2020 Nov;35(11):2439-2453 IP ;Human. 33047116
- **[IF=4.831]** Linlin Yanget al. CAMKII $\gamma$  is a targetable driver of multiple myeloma through CaMKII $\gamma$ / Stat3 axis. Aging (Albany NY) . 2020 Jul 13;12(13):13668-13683. IHC,IF ;Human. 32658867
- **[IF=4.2]** Biebele Abel. et al. The Degree of Aortic Occlusion in the Setting of Trauma Alters the Extent of Acute Kidney Injury Associated with Mitochondrial Preservation. AM J PHYSIOL-RENAL. 2024 Mar;(Articles in Press): IHC ;Pig. 38450433