

**bs-21328R****[ Primary Antibody ]****Syndecan 4 Rabbit pAb****BioSS**  
**ANTIBODIES**

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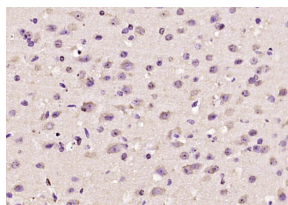
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 6385 <b>Target:</b> Syndecan 4 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Syndecan 4 : 101-198/198. < Cytoplasmic > <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 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. <b>Background:</b> Syndecans are type I integral membrane proteoglycans that are involved in cell-extracellular matrix adhesion and growth factor binding. Syndecan 1 is a matrix receptor which binds to Collagens, Fibronectin and Thrombospondin. Syndecan 1 and Syndecan 3 interact with MK (midkine), a growth/differentiation factor involved in embryogenesis. Syndecan 2 is highly expressed at areas of high morphogenetic activity, such as epithelial-mesenchymal interfaces and the prechondrogenic and preosteogenic mesenchymal condensations. Syndecan 4 functions cooperatively with integrins in the processes of cell spreading and focal adhesion assembly. Syndecan-4 is a transmembrane protein specifically enriched in Schwann cell perinodal processes.	<b>Isotype:</b> IgG <b>SWISS:</b> P31431	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Reactivity:</b> Mouse (predicted: Human, Rat, Pig, Sheep, Cow, Chicken, Dog, Horse) <b>Predicted MW.:</b> 20 kDa <b>Subcellular Location:</b> Secreted ,Cell membrane
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**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 4) Polyclonal Antibody, Unconjugated (bs-21328R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=5.6]** Rong Tang. et al. Single-cell transcriptomics uncover hub genes and cell-cell crosstalk in patients with hypertensive nephropathy. INT IMMUNOPHARMACOL. 2023 Dec;125:111104 IHC ;Human,Mouse. 10.1016/j.intimp.2023.111104