

**bsm-54293R****[ Primary Antibody ]****BioSS**  
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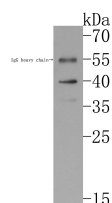
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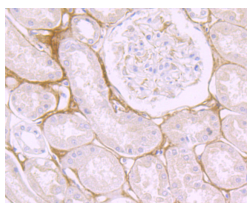
400-901-9800

**Biglycan Recombinant Rabbit mAb****— DATASHEET —**

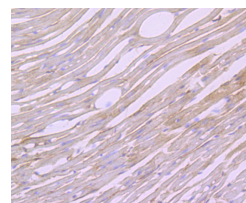
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-1000)
<b>Clonality:</b> Recombinant		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 633	<b>SWISS:</b> P21810	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Biglycan		<b>IF</b> (1:100-500)
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse
<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>Predicted MW.:</b> 42 kDa
<b>Background:</b> May be involved in collagen fiber assembly.		<b>Subcellular Location:</b> Secreted ,Extracellular matrix

**— VALIDATION IMAGES —**

Western blot analysis of Biglycan on human skin tissue lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (bsm-54293R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:200,000 dilution was used for 1 hour at room temperature.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Biglycan antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (bsm-54293R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-Biglycan antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 30 minutes at room temperature, washed with ddH2O and PBS, and then probed with the primary antibody (bsm-54293R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.

**— SELECTED CITATIONS —**

- **[IF=8.6]** Xin Zhang. et al. Comprehensive characterization of pathogenic synovial fluid extracellular vesicles from knee osteoarthritis. CLIN IMMUNOL. 2023 Dec;257:109812 FCM ;Human. 37866785
- **[IF=4.9]** Andrea Grandi. et al. A mouse model of progressive lung fibrosis with cutaneous involvement induced by a combination of oropharyngeal and osmotic minipump bleomycin delivery. AM J PHYSIOL-LUNG C. 2024 Apr;(Articles in Press): IF ;Mouse. 38651940