

bs-7552R

[Primary Antibody]

Biglycan Rabbit pAb

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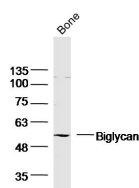
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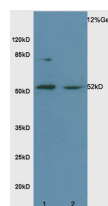
DATASHEET

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 37 kDa Subcellular Location: Secreted ,Extracellular matrix
Clonality: Polyclonal		
GeneID: 633	SWISS: P21810	
Target: Biglycan		
Immunogen: KLH conjugated synthetic peptide derived from human Biglycan: 101-200/368.		
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: May be involved in collagen fiber assembly.		

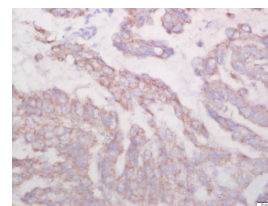
VALIDATION IMAGES



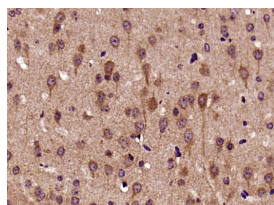
Sample: Bone (mouse) Lysate at 40 ug Primary: Anti- Biglycan (bs-7552R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37kD
Observed band size: 52 kD



Sample: Colon (Rat) Lysate at 40 ug Embryo (Mouse) Lysate at 40 ug Primary: Anti-Biglycan (bs-7552R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 37 kD
Observed band size: 52 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Biglycan Polyclonal Antibody, Unconjugated (bs-7552R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Biglycan) Polyclonal Antibody, Unconjugated (bs-7552R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=9.8]** Xiaotong Wang. et al. Protein lysine acetylation played an important role in NH3-induced AEC2 damage and pulmonary fibrosis in piglets. SCI TOTAL ENVIRON. 2024 Jan;908:168303 IF ;Pig. 37939958
- **[IF=8.554]** Jin Wang. et al. TLR4 aggravates microglial pyroptosis by promoting DDX3X-mediated NLRP3 inflammasome activation via JAK2/STAT1 pathway after spinal cord injury. CLIN TRANSL MED. 2022 Jun;12(6):e894 IP,WB ;Mouse. 35692100
- **[IF=5.23]** Han, Chao, et al. "An Animal Model of Modic Changes by Embedding Autogenous Nucleus Pulposus inside Subchondral Bone of Lumbar Vertebrae." Scientific Reports 6 (2016): 35102. WB ;="Rabbit". 27713567
- **[IF=1.72]** Huang, Guo-fu, et al. "The Effect of Electroacupuncture on the Extracellular Matrix Synthesis and Degradation in a Rabbit Model of Disc Degeneration." Evidence-Based Complementary and Alternative Medicine 2014 (2014). IHC ;="Rabbit". 24987434
- **[IF=2.36]** Simões et al. Small leucine-rich proteoglycans (SLRPs) in the endometrium of polycystic ovary syndrome women: a pilot study. (2017) J.Ovarian.Res. 10:54 IHC ;Human. 28789706