## bs-7552R

# [ Primary Antibody ]

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# Biglycan Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

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.

## Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500)

Reactivity: Human, Mouse

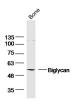
(predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 37 kDa

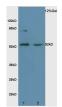
Subcellular Secreted ,Extracellular

Location: matrix

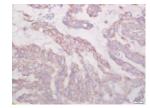
## - VALIDATION IMAGES -



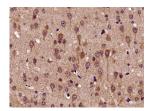
Sample: Bone (mouse) Lysate at 40 ug Primary: Anti- Biglycan (bs-7552R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37kD Observed band size: 52 kD



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 hand size: 52 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffinembedded; 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