

Biglycan Rabbit pAb

Catalog Number: bs-7552R

Target Protein: Biglycan

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

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

Entrez Gene: 633

Swiss Prot: P21810

Source: KLH conjugated synthetic peptide derived from human Biglycan: 101-200/368.

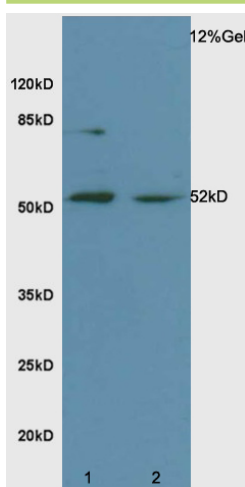
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

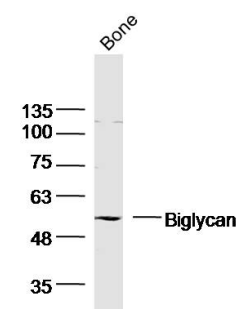
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: May be involved in collagen fiber assembly.

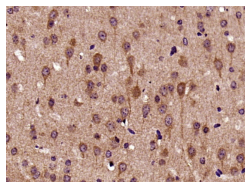
VALIDATION IMAGES



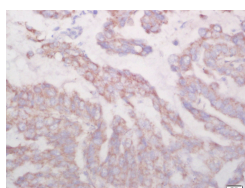
Sample: Colon (Rat) Lysate at 40 ug Embryo (Mouse) Lysate at 40 ug Primary: Anti-Biglycan (bs-7552R) at 1/300 dilution Secondary: HRP conjugated Goat-Anti-rabbit IgG (bs-0295G-HRP) at 1/5000 dilution Predicted band size: 37 kD Observed band size: 52 kD



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



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.



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

PRODUCT SPECIFIC PUBLICATIONS

[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