

bs-5890R**[Primary Antibody]****BioSS**
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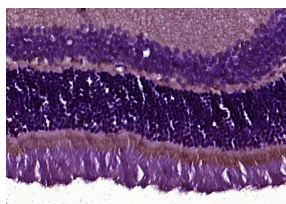
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

Lumican Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 4060	SWISS: P51884	IF (1:100-500)
Target: Lumican		Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human Lumican: 61-160/338.		Predicted MW.: 35 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted ,Extracellular matrix
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: Present in the extracellular matrix of human articular cartilage at all ages, although its abundance is far greater in the adult. In the adult cartilage lumican exists predominantly in a glycoprotein form lacking keratan sulfate, whereas the juvenile form of the molecule is a proteoglycan.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (rat retina 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 (Lumican) Polyclonal Antibody, Unconjugated (bs-5890R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=14.593]** Binbin He. et al. 3D printed biomimetic epithelium/stroma bilayer hydrogel implant for corneal regeneration. Bioact Mater. 2022 Jan;; IF ;Rabbit. 10.1016/j.bioactmat.2022.01.034
- **[IF=14.7]** Riau Andri K.. et al. Impact of keratocyte differentiation on corneal opacity resolution and visual function recovery in male rats. NAT COMMUN. 2024 Jun;;15(1):1-17 ICC,IF ;Rat. 38862465
- **[IF=11.061]** Shuo Jia. et al. Digital light processing-bioprinted poly-NAGA-GelMA-based hydrogel lenticule for precise refractive errors correction. BIOFABRICATION. 2023 Apr;; IF ;Human. 37019117
- **[IF=9.6]** Laying Wang. et al. 3D Printed Biomimetic Bilayer Limbal Implants for regeneration of the Corneal Structure in Limbal Stem Cell Deficiency. ACTA BIOMATER. 2025 Jan;; IF ;Human. 39798638
- **[IF=4.925]** Ruixing Liu. et al. Celastrol Alleviates Corneal Stromal Fibrosis by Inhibiting TGF-β1/Smad2/3-YAP/TAZ

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Signaling After Descemet Stripping Endothelial Keratoplasty. INVEST OPHTH VIS SCI. 2023 Mar;64(3):9-9 FCM ;Rabbit.
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