

bs-5890R**[Primary Antibody]**

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Lumican Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Horse)
Clonality: Polyclonal		
GeneID: 4060	SWISS: P51884	
Target: Lumican		Predicted MW.: 35 kDa
Immunogen: KLH conjugated synthetic peptide derived from human Lumican: 61-160/338.		Subcellular Location: Secreted ,Extracellular matrix
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: 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.		

— 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- β 1/Smad2/3-YAP/TAZ Signaling After Descemet Stripping Endothelial Keratoplasty. INVEST OPHTH VIS SCI. 2023 Mar;64(3):9-9 FCM ;Rabbit. 36867128