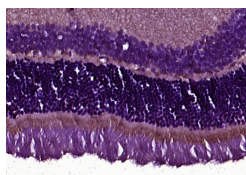


Lumican Rabbit pAb

Catalog Number: bs-5890R
Target Protein: Lumican
Concentration: 1mg/ml
Form: Liquid
Host: Rabbit
Clonality: Polyclonal
Isotype: IgG
Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity: Rat (predicted: Human, Mouse, Rabbit, Pig, Cow, Horse)
Predicted MW: 35 kDa
Entrez Gene: 4060
Swiss Prot: P51884
Source: KLH conjugated synthetic peptide derived from human Lumican: 61-160/338.
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: 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.

PRODUCT SPECIFIC PUBLICATIONS

[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=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
- [IF=4.9] María Dolores Salinas. et al. Expression of Lumican and Osteopontin in Perivascular Areas of the Glioblastoma Peritumoral Niche and Its Value for Prognosis. INT J MOL SCI. 2024 Dec;26(1):192 IHC,IF ; Human,Mouse . 39796053