

ARG58829
anti-Lumican antibodyPackage: 50 µg
Store at: -20°C

Summary

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|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes Lumican |
| Tested Reactivity | Ms |
| Tested Application | IHC-P |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | Lumican |
| Species | Mouse |
| Immunogen | Recombinant protein corresponding to I68-N338 of Mouse Lumican. |
| Conjugation | Un-conjugated |
| Alternate Names | LDC; Keratan sulfate proteoglycan lumican; Lumican; SLRR2D; KSPG lumican |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|---------------|
| | IHC-P | 0.5 - 1 µg/ml |

Application Note IHC-P: Antigen Retrieval: By heat mediation.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

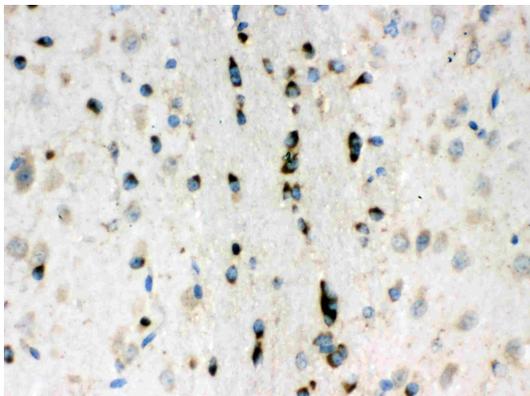
Properties

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|---------------------|--|
| Form | Liquid |
| Purification | Affinity purification with immunogen. |
| Buffer | 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA. |
| Preservative | 0.05% Sodium azide |
| Stabilizer | 5% BSA |
| Concentration | 0.5 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

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| Gene Symbol | LUM |
| Gene Full Name | lumican |
| Background | This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphycan, and osteoglycin. In these bifunctional molecules, the protein moiety binds collagen fibrils and the highly charged hydrophilic glycosaminoglycans regulate interfibrillar spacings. Lumican is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. [provided by RefSeq, Jul 2008] |
| Calculated Mw | 38 kDa |
| PTM | Sulfated on tyrosine residue(s). [UniProt] |
| Cellular Localization | Secreted, extracellular space, extracellular matrix. [UniProt] |

Images



ARG58829 anti-Lumican antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain stained with ARG58829 anti-Lumican antibody.