

Product datasheet

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ARG58858 anti-Lumican antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Lumican

Tested Reactivity Hu, Ms, Rat
Tested Application ICC/IF, WB
Host Rabbit
Clonality Polyclonal
Isotype IgG

Target Name Lumican
Species Human

Immunogen Recombinant fusion protein corresponding to aa. 19-338 of Human Lumican (NP_002336.1).

Conjugation Un-conjugated

Alternate Names LDC; Keratan sulfate proteoglycan lumican; Lumican; SLRR2D; KSPG lumican

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse heart	
Observed Size	48 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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. 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

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

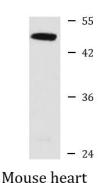
tissue repair. [provided by RefSeq, Jul 2008]

Calculated Mw 38 kDa

PTM Sulfated on tyrosine residue(s). [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG58858 anti-Lumican antibody WB image

Western blot: 25 μg of Mouse heart lysate stained with ARG58858 anti-Lumican antibody at 1:1000 dilution.