

For Research Use Only

Lumican Polyclonal antibody

Catalog Number: 10677-1-AP **3 Publications**



Basic Information

Catalog Number: 10677-1-AP	GenBank Accession Number: BC007038	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 153 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4060	Recommended Dilutions: WB 1:500-1:1000 IF 1:200-1:800
Source: Rabbit	Full Name: Lumican	
Isotype: IgG	Calculated MW: 38 kDa	
Immunogen Catalog Number: AG1106	Observed MW: 65-90 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls: WB : Jurkat cells, IF : human colon tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat	

Background Information

Lumican (LUM), a member of the small leucine-rich proteoglycan (SLRP) family, is one of the major extracellular components in interstitial collagenous matrices of the corneal stroma, aorta, skin, skeletal muscle, lung, kidney, bone, cartilage, and intervertebral discs. SLRPs constitute an important fraction of noncollagenous extracellular matrix proteins and have important effects on cell behavior. Lumican regulates collagenous matrix assembly as a keratan sulfate proteoglycan in the cornea and may exist as a glycoprotein in the connective tissues of other organs. Posttranslational modifications lumican goes through can increase its apparent molecular weight to 50-90 kDa. Studies show that lumican participates in the maintenance of tissue homeostasis and modulates cellular functions including cell proliferation, migration, and differentiation. (PMID: 18949819; 22252641; 9761754; 22365843)

Notable Publications

Author	Pubmed ID	Journal	Application
Huafeng Song	35300115	Front Mol Biosci	WB
He Wang	30556904	J Cell Physiol	WB
Clement Cristina C CC	23202415	J Proteomics	WB

Storage

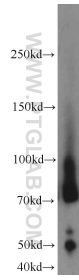
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

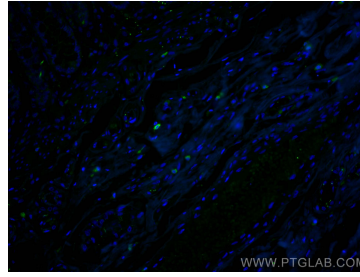
For technical support and original validation data for this product please contact:
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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 10677-1-AP (Lumican antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Lumican antibody (10677-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).