

For Research Use Only

CoraLite® Plus 488-conjugated Lumican Polyclonal antibody



Catalog Number: CL488-10677

Basic Information

Catalog Number: CL488-10677	GenBank Accession Number: BC007038	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4060	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: Lumican	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 38 kDa	
Immunogen Catalog Number: AG1106	Observed MW: 65-90 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse spleen tissue,
Species Specificity: human, mouse, 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)

Storage

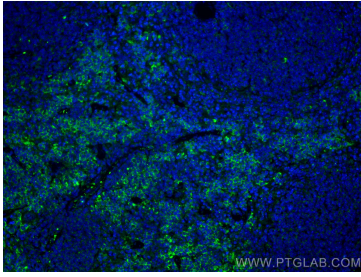
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

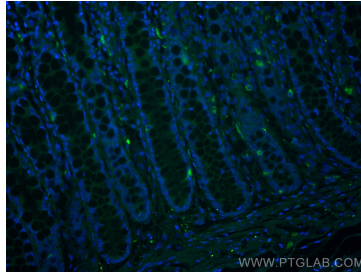
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse spleen tissue using Coralite® Plus 488 Lumican antibody (CL488-10677) at dilution of 1:100.



Immunofluorescent analysis of (4% PFA) fixed human colon tissue using Coralite® Plus 488 Lumican antibody (CL488-10677) at dilution of 1:200.