

For Research Use Only

Mouse Lumican Recombinant antibody, PBS Only

Catalog Number: 86082-3-PBS



Basic Information

Catalog Number:	86082-3-PBS	GenBank Accession Number:	NM_008524.2	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	17022	CloneNo.:	250614E5
Source:	Rabbit	UNIPROT ID:	P51885		
Isotype:	IgG	Full Name:	lumican		
Immunogen Catalog Number:	EG2481	Calculated MW:	38 kDa		
		Observed MW:	50-100 kDa		

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse

Background Information

umican (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 -80°C.

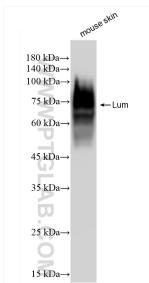
Storage Buffer:

PBS only, pH7.3

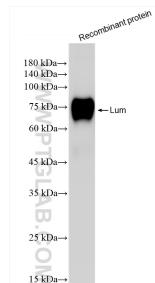
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86082-3-RR (Lum antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86082-3-PBS in a different storage buffer formulation.



Recombinant protein were subjected to SDS PAGE followed by western blot with 86082-3-RR (Lum antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86082-3-PBS in a different storage buffer formulation.