



A Reliable Research Partner in Life Science and Medicine

Recombinant Lumican Monoclonal Antibody

catalog number: AN301840L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Human; Rat; Mouse

Immunogen Recombinant human Lumican fragment

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A552

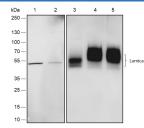
Purification Protein A purified

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB 1:500-1:2000

Data



Western Blot with Lumican Monoclonal Antibody at dilution of 1:2000. Lane 1: Jurkat, Lane 2: HEK-293, Lane 3: Human placenta, Lane 4: Mouse skin, Lane 5: Rat skin

Observed-MW:50-70 kDa Calculated-MW:38 kDa

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

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, bon e, 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. Lumican participates in the maintenance of tissue homeostasis and modulates cellular functions including cell proliferation, migration, and differentiation.

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