

Anti-Lumican Picoband Antibody

Catalog # ABO12348

Product Information

Application	WB, IHC-P, E
Primary Accession	P51885
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Lumican(LUM) detection. Tested with WB, IHC-P, ELISA in Mouse.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	17022
Other Names	Lumican, Keratan sulfate proteoglycan lumican, KSPG lumican, Lum, Lcn, Ldc
Calculated MW	38265
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Mouse, By Heat ELISA , 0.1-0.5 μ g/ml, Mouse, - Western blot, 0.1-0.5 μ g/ml, Mouse
Subcellular Localization	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Cornea and other tissues.
Source	Eukaryota
Protein Name	Lumican
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E. coli-derived mouse Lumican recombinant protein (Position: I68-N338). Mouse Lumican shares 88.9% and 98.2% amino acid (aa) sequence identity with human and rat Lumican, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

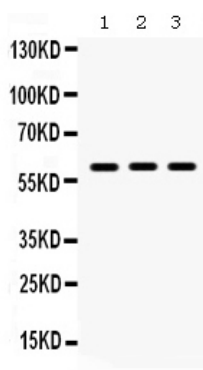
Protein Information

Name	Lum
Synonyms	Lcn, Ldc
Cellular Location	Secreted, extracellular space, extracellular matrix
Tissue Location	Cornea and other tissues.

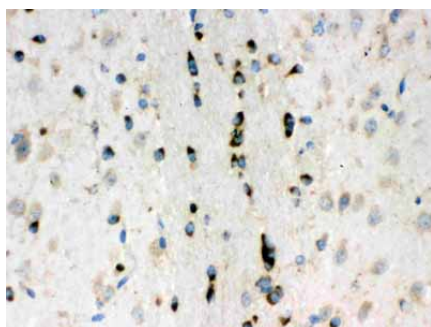
Background

Lumican, also known as LUM, is an extracellular matrix protein that, in humans, is encoded by the LUM gene on chromosome 12. Lumican is a major keratan sulfate proteoglycan of the cornea but is ubiquitously distributed in most mesenchymal tissues throughout the body. And Lumican is involved in collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair. Corneal transparency is possible due to the exact alignment of collagen fibers by lumican (and keratocan) in the intrafibrillar space.

Images



Anti- Lumican Picoband antibody, ABO12348, Western blotting
All lanes: Anti Lumican (ABO12348) at 0.5ug/ml
Lane 1: Mouse Testis Tissue Lysate at 50ug
Lane 2: Mouse Thymus Tissue Lysate at 50ug
Lane 3: NIH3T3 Whole Cell Lysate at 40ug
Predicted bind size: 38KD
Observed bind size: 60KD



Anti- Lumican Picoband antibody, ABO12348,
IHC(P)IHC(P): Mouse Brain Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.