

anti-Mouse Lumican Polyclonal Antibody | anti-Lum antibody

Anti-Lumican Antibody

CATALOG # AAA46242	REACTIVITY Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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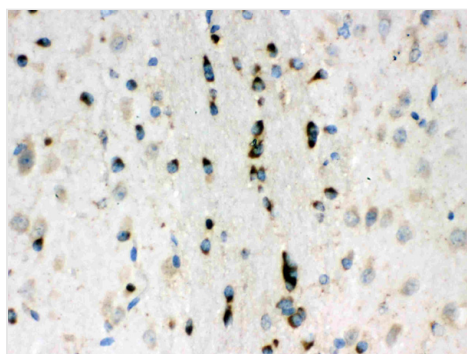
PRODUCT SYNONYMS

Lumican; Polyclonal Antibody; Anti-Lumican Antibody; Keratan sulfate proteoglycan lumican; KSPG lumican; LDC; LUM; LUM_HUMAN; Lumican precursor; SLRR2D; lumican; anti-Lum antibody

PRODUCT SPECIFICATIONS

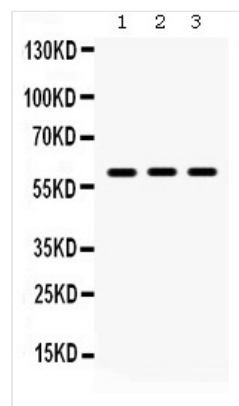
Reactivity	Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	338
Applicable Applications for anti-Lum antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
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.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti- Lumican Picoband antibody, AAA46242, IHC(P)IHC(P): Mouse Brain Tissue



WB (Western Blot)

Anti- Lumican Picoband antibody, AAA46242, Western blottingAll lanes: Anti Lumican (AAA46242) at 0.5ug/mlLane 1: Mouse Testis Tissue Lysate at 50ugLane 2: Mouse Thymus Tissue Lysate at 50ugLane 3: NIH3T3 Whole Cell Lysate at 40ugPredicted bind size: 38KDObserved bind size: 60KD

ADDITIONAL INFORMATION

Related Product Information for anti-Lum antibody	Description: Rabbit IgG polyclonal antibody for Lumican(LUM) detection. Tested with WB, IHC-P, ELISA in Mouse. 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.
References	1. "Entrez Gene: LUM lumican". 2. Chakravarti S, Stallings RL, SundarRaj N, Cornuet PK, Hassell JR (Jun 1995). "Primary structure of human lumican (keratan sulfate proteoglycan) and localization of the gene (LUM) to chromosome 12q21.3-q22". Genomics27 (3): 481-8. 3. Chakravarti S (2002). "Functions of lumican and fibromodulin: lessons from knockout mice". Glycoconjugate Journal 19 (4-5): 287-93.

NCBI AND UNIPROT INFORMATION

NCBI GI #	160333372
NCBI GeneID	17022
NCBI Accession #	NP_032550.2
NCBI GenBank Nucleotide #	NM_008524.2
UniProt Accession #	P51885; Q3TP25; Q99JZ3; Q9CXK0
Molecular Weight	38,265 Da
NCBI Official Full Name	lumican
NCBI Official Synonym Full Names	lumican
NCBI Official Symbol	Lum
NCBI Official Synonym Symbols	Ldc; SLRR2D
NCBI Protein Information	lumican
UniProt Protein Name	Lumican
UniProt Gene Name	Lum
UniProt Synonym Gene Names	Lcn; Ldc; KSPG lumican
UniProt Entry Name	LUM_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lumican-antibody-immunohistochemistry-western-blot-elisa/46242>