LUM Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7605a

Specification

LUM Antibody (N-term) - Product Information

<table>
<thead>
<tr>
<th>Application</th>
<th>WB, IHC-P, FC,E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Accession</td>
<td>P51884</td>
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<tr>
<td>Other Accession</td>
<td>P51886, P51885</td>
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<tr>
<td>Reactivity</td>
<td>Human, Mouse</td>
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<tr>
<td>Predicted</td>
<td>Rat</td>
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<tr>
<td>Host</td>
<td>Rabbit</td>
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<tr>
<td>Clonality</td>
<td>Polyclonal</td>
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<tr>
<td>Isotype</td>
<td>Rabbit Ig</td>
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<tr>
<td>Clone Names</td>
<td>RB18422</td>
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<tr>
<td>Calculated MW</td>
<td>38429</td>
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<tr>
<td>Antigen Region</td>
<td>64-91</td>
</tr>
</tbody>
</table>

Gene ID 4060

Other Names
Lumican, Keratan sulfate proteoglycan lumican, KSPG lumican, LUM, LDC, SLRR2D

Target/Specificity
This LUM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 64-91 amino acids from the N-terminal region of human LUM.

Dilution
WB---1:1000
IHC-P---1:50~100
FC---1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
LUM Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Western blot analysis of LUM Antibody (N-term) (Cat.#AP7605a) in mouse bladder tissue lysates (35ug/lane). LUM (arrow) was detected using the purified Pab.

Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with LUM Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.
Name LUM

Synonyms LDC, SLRR2D

Cellular Location
Secreted, extracellular space, extracellular matrix

Tissue Location
Cornea and other tissues.

LUM Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture

![LUM Antibody (N-term) flow cytometric analysis of Hela cells](image.png)

LUM Antibody (N-term) (Cat. #AP7605a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

LUM Antibody (N-term) - Background

LUM is a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphycan, and osteoglycin. In these bifunctional molecules, this protein moiety binds collagen fibrils and the highly charged hydrophilic glycosaminoglycans regulate interfibrillar spacings. The protein is the major keratan sulfate proteoglycan of the cornea but is also distributed in interstitial collagenous matrices throughout the body. Lumican may regulate collagen fibril organization and circumferential growth, corneal transparency, and epithelial cell migration and tissue repair.

LUM Antibody (N-term) - References

Kelemen, L. E., Couch, F. J. Breast Cancer Res. 10 (6), R98 (2008)

LUM Antibody (N-term) - Citations

- Label-free quantitative proteomic analysis of right ventricular remodeling in infant Tetralogy of Fallot patients.