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

Specification

LUM Antibody (N-term) - Product Information

Application: WB, IHC-P, FC, E
Primary Accession: P51884
Other Accession: P51886, P51885
Reactivity: Human, Mouse
Predicted: Rat
Host: Rabbit
Clonality: Polyclonal
Isotype: Rabbit IgG
Clone Names: RB18422
Calculated MW: 38429
Antigen Region: 64-91

LUM Antibody (N-term) - Additional Information

Gene ID: 4060

Other Names:
Lumican, Keratan sulfate proteoglycan, 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) - 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.