

LUM Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP7605c**Specification**

LUM Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P51884](#)

LUM Antibody (Center) Blocking Peptide - Additional Information

Gene ID 4060

Other Names

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP7605c](/products/AP7605c) was selected from the Center region of human LUM. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LUM Antibody (Center) Blocking Peptide - Protein Information

Name LUM

Synonyms LDC, SLRR2D

Cellular Location

Secreted, extracellular space, extracellular matrix

Tissue Location

Cornea and other tissues.

LUM Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LUM Antibody (Center) Blocking Peptide - Images

LUM Antibody (Center) Blocking Peptide - Background

LUM is a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphykan, 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 (Center) Blocking Peptide - References

Wang,P., Li,S. Invest. Ophthalmol. Vis. Sci. 50 (4), 1546-1551 (2009)Matsuda,Y., Yamamoto,T. Int. J. Oncol. 33 (6), 1177-1185 (2008)Kelemen,L.E., Couch,F.J. Breast Cancer Res. 10 (6), R98 (2008)