

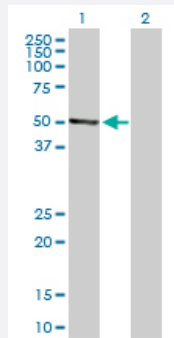
MaxPab®

LUM purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004060-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of LUM expression in transfected 293T cell line ([H00004060-T02](#)) by LUM MaxPab polyclonal antibody.

Lane 1: LUM transfected lysate (38.40 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human LUM protein.
Immunogen	LUM (NP_002336.1, 1 a.a. ~ 338 a.a) full-length human protein.
Sequence	MSLSAFTLFLALIGGTSGQYYDYDFPLSIYGQSSPNCAPCNCPEYSYPSAMYCDELKLKSVPMPV PGIKYLRLRNNQIDHIDEKAFENVTDLQWLILDHNNLENSKIKGRVFSKLKQLKKLHINHNNLTESVG PLPKSLEDLQLTHNKITKLGSFEGLVNLTFIHLQHNRLKEDAVSAAFKGLKSLEYLDLSFNQIARLP SGLPVSLTLYLDNNKISNIPDEYFKRFNALQYLRLSHNELADSGIPGNSFNVSSLVELDLSYNKLLK NIPTVNENLENYYLEVNQLEKFDIKSFCKILGPLSYSKIKHLRLDGNRISETSLPPDMYECLRVANEV TLN
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (85)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — LUM

Entrez GeneID [4060](#)

GeneBank Accession# [NM_002345](#)

Protein Accession# [NP_002336.1](#)

Gene Name LUM

Gene Alias LDC, SLRR2D

Gene Description lumican

Omim ID [600616](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the small leucine-rich proteoglycan (SLRP) family that includes decorin, biglycan, fibromodulin, keratocan, epiphykan, and osteoglycin. In these bifunctional molecules, the protein moiety binds collagen fibrils and the highly charged hydrophilic glycosaminoglycans regulate interfibrillar spacings. Lumican 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. [provided by RefSeq]

Other Designations lumican proteoglycan

Publication Reference

- [Changes in glycosaminoglycan structure on differentiation of human embryonic stem cells towards mesoderm and endoderm lineages.](#)

Gasimli L, Hickey AM, Yang B, Li G, dela Rosa M, Nairn AV, Kulik MJ, Dordick JS, Moremen KW, Dalton S, Linhardt RJ.
Biochimica et Biophysica Acta 2014 Jun; 1840(6):1993.

Application: WB, Human, hESC H9 cells

- [Structural remodeling of proteoglycans upon retinoic acid-induced differentiation of NCCIT cells.](#)

Gasimli L, Stansfield HE, Nairn AV, Liu H, Paluh JL, Yang B, Dordick JS, Moremen KW, Linhardt RJ.
Glycoconjugate Journal 2013 Jul; 30(5):497.

Application: WB-Ce, Human, NCCIT cells

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
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