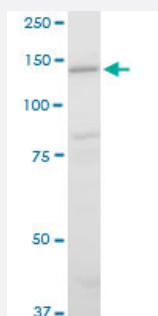


LAMC2 polyclonal antibody (A01)

Catalog # H00003918-A01

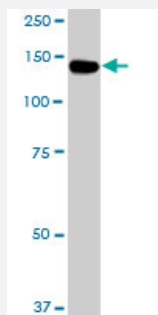
Size 50 uL

Applications



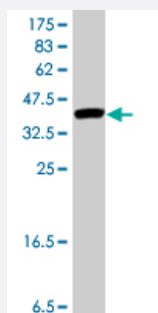
Western Blot (Cell lysate)

LAMC2 polyclonal antibody (A01), Lot # 051003JC01. Western Blot analysis of LAMC2 expression in NIH/3T3.



Western Blot (Cell lysate)

LAMC2 polyclonal antibody (A01), Lot # 051003JC01. Western Blot analysis of LAMC2 expression in A-431.



Western Blot detection against Immunogen (12.21 kDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a partial recombinant LAMC2.

Immunogen

LAMC2 (NP_005553, 1084 a.a. ~ 1193 a.a) partial recombinant protein with GST tag.

Sequence	VDTRAKNAGVTIQDTLNTLDGLLHLMQPLSVDEEGLVLEQKLSRAKTQINSQLRPMMSLEER ARQQRGHLHLLETSIDGILADVKNLENIRDNLPPGCYNTQALEQQ
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (84); Rat (82)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (12.21 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

LAMC2 polyclonal antibody (A01), Lot # 051003JC01. Western Blot analysis of LAMC2 expression in NIH/3T3.

[Protocol Download](#)

- Western Blot (Cell lysate)

LAMC2 polyclonal antibody (A01), Lot # 051003JC01. Western Blot analysis of LAMC2 expression in A-431.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — LAMC2

Entrez GeneID	3918
GeneBank Accession#	NM_005562
Protein Accession#	NP_005553
Gene Name	LAMC2

Gene Alias	B2T, BM600, CSF, EBR2, EBR2A, LAMB2T, LAMNB2, MGC138491, MGC141938
Gene Description	laminin, gamma 2
Omim ID	150292 226650 226700
Gene Ontology	Hyperlink
Gene Summary	Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. Several isoforms of each chain have been described. Different alpha, beta and gamma chain isomers combine to give rise to different heterotrimeric laminin isoforms which are designated by Arabic numerals in the order of their discovery, i.e. alpha1beta1gamma1 heterotrimer is laminin 1. The biological functions of the different chains and trimer molecules are largely unknown, but some of the chains have been shown to differ with respect to their tissue distribution, presumably reflecting diverse functions in vivo. This gene encodes the gamma chain isoform laminin, gamma 2. The gamma 2 chain, formerly thought to be a truncated version of beta chain (B2t), is highly homologous to the gamma 1 chain; however, it lacks domain VI, and domains V, IV and III are shorter. It is expressed in several fetal tissues but differently from gamma 1, and is specifically localized to epithelial cells in skin, lung and kidney. The gamma 2 chain together with alpha 3 and beta 3 chains constitute laminin 5 (earlier known as kalinin), which is an integral part of the anchoring filaments that connect epithelial cells to the underlying basement membrane. The epithelium-specific expression of the gamma 2 chain implied its role as an epithelium attachment molecule, and mutations in this gene have been associated with junctional epidermolysis bullosa, a skin disease characterized by blisters due to disruption of the epidermal-dermal junction. Two transcript variants resulting from alternative splicing of the 3' terminal exon, and encoding different isoforms of gamma 2 chain, have been described. The two variants are differentially expressed in embryonic tissues, however, the biological significance of the two forms is not known. Transcript variants utilizing alternative polyA_signal have also been noted in literature. [provided by RefSeq]
Other Designations	BM600-100kDa OTTHUMP00000033550 cell-scattering factor (140kDa) epiligrin kalinin (105kD) kalinin-105kDa ladsin (140kDa) laminin, gamma 2 (nicein (100kD), kalinin (105kD), BM600 (100kD), Herlitz junctional epidermolysis bullosa) nicein (100kDa) nicein-10

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Macular Degeneration](#)