

## 小鼠抗 LAMC1 单克隆抗体

中文名称: 小鼠抗 LAMC1 单克隆抗体

英文名称: Anti-LAMC1 mouse monoclonal antibody

相关类别: 一抗

储 存: 冷冻(-20℃)

宿 主: Mouse

抗 原: LAMC1

反应种属: Human

标 记 物: Unconjugate

克隆类型: mouse monoclonal

## 技术规格

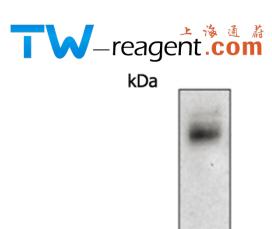
**Background:** 

Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membr anes. They have been implicated in a wide variety of biolo gical processes including cell adhesion, differentiation, migr ation, signaling, neurite outgrowth and metastasis. Laminin s, composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively), have a cruciform structure consisting of 3 short arms, each forme d by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encod ed by a distinct gene. Several isoforms of each chain have been described. Different alpha, beta and gamma chain iso mers combine to give rise to different heterotrimeric lamin in isoforms which are designated by Arabic numerals in th e order of their discovery, i.e. alpha1beta1gamma1 heterot rimer is laminin 1. The biological functions of the different



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	chains and trimer molecules are largely unknown, but som e of the chains have been shown to differ with respect to their tissue distribution, presumably reflecting diverse funct ions in vivo. This gene encodes the gamma chain isoform laminin, gamma 1. The gamma 1 chain, formerly thought t o be a beta chain, contains structural domains similar to b eta chains, however, lacks the short alpha region separatin g domains I and II. The structural organization of this gen e also suggested that it had diverged considerably from th e beta chain genes. Embryos of transgenic mice in which both alleles of the gamma 1 chain gene were inactivated by homologous recombination, lacked basement membran es, indicating that laminin, gamma 1 chain is necessary for laminin heterotrimer assembly. It has been inferred by anal ogy with the strikingly similar 3' UTR sequence in mouse I aminin gamma 1 cDNA, that multiple polyadenylation sites are utilized in human to generate the 2 different sized mR NAs (5.5 and 7.5 kb) seen on Northern analysis.
Applications:	ELISA, WB
Name of antibody:	LAMC1
Immunogen:	Fusion protein of human LAMC1
Full name:	laminin subunit gamma 1
Synonyms:	LAMB2; Laminin B2 chain
SwissProt:	P11047
WB Predicted band size:	178 kDa
WB Positive control:	SW480 whole cell lysate
WB Recommended dilution:	500-2000



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