Product datasheet

Anti-LAMC1/LAMC2/LAMC3 Antibody

Catalog Number: *A03522*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China
Web: www.boster.com.cn ***Phone:*** +86 027-67845390 ***Fax:*** +86 027-67845390 ***Email:*** boster@boster.com.cn

Basic Information

Product Name	Anti-LAMC1/LAMC2/LAMC3 Antibody
Gene Name	Lamc1/Lamc2/Lamc3
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IF
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	Peptide mixture of laminin gamma1,2,3(NKLNEIEGSLNKAKDEMKAS; DLEERVRRQRNHLHLLETSI; LQLDSHGALHHKLRQLEEES). Laminin gamma has only three subtypes of antibody to gamma1-3 reactive with all isoforms of laminin.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	177-200KD
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

Laminins are major proteins in the basal lamina (one of the layers of the basement membrane), a protein network foundation for most cells and organs. Laminins form independent networks and are associated with type IV collagen networks via entactin, fibronectin, and perlecan. They are important and biologically active parts of the basal lamina, influencing cell differentiation, migration, and adhesion, as well as phenotype and survival. Laminins are trimeric proteins that contain an α-chain, a β-chain, and a γ-chain, found in five, four, and three genetic variants, respectively. Laminins critically contribute to cell attachment and differentiation, cell shape and movement, maintenance of tissue phenotype, and promotion of tissue survival.

Reference

Anti-LAMC1/LAMC2/LAMC3 Antibody

Catalog Number: *A03522*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China
Web: www.boster.com.cn ***Phone:*** +86 027-67845390 ***Fax:*** +86 027-67845390 ***Email:*** boster@boster.com.cn

Anti-LAMC1/LAMC2/LAMC3 Antibody被引用在4文献中。

Selected Validation Data

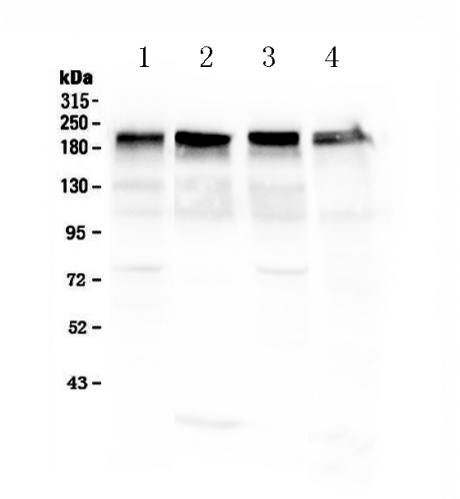

Figure 1. Western blot analysis of Laminin using anti-Laminin antibody (A03522). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse lung tissue lysate,Lane 2: rat cardiac muscle tissue lysate,Lane 3: rat lung tissue lysate,Lane 4: human Hela whole cell lysate. probed with a goat anti-rabbit IgG-HRP secondary antibody . The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) A specific band was detected for Laminin at approximately 200KD. The expected band size for Laminin is at 177KD.

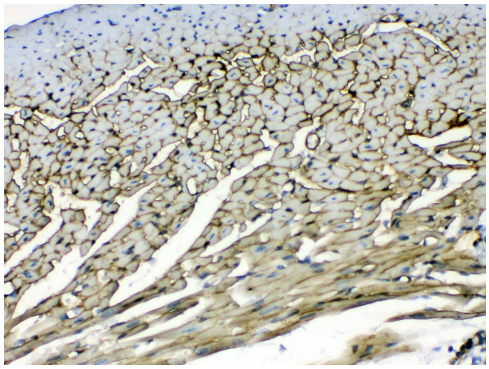

Figure 2. IHC analysis of Laminin using anti-Laminin antibody (A03522).Laminin was detected in paraffin-embedded section of mouse heart tissue . Biotinylated goat anti-rabbit IgG was used as secondary antibody The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Special NO.1, International Enterprise Center,
2nd Guanshan Road, Wuhan, China
Web: www.boster.com.cn ***Phone:*** +86 027-67845390 ***Fax:*** +86 027-67845390 ***Email:*** boster@boster.com.cn

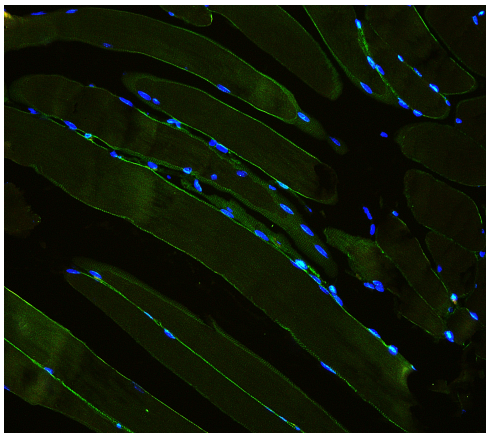

Figure 6. IF analysis using anti- Laminin antibody (A03522). detected in paraffin-embedded section of mouse skeletal muscle tissue. The tissue section were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green)(Catalog#BA1127) and counterstained with DAPI (blue).