

Anti-Laminin Picoband Antibody

Catalog # ABO11841

Product Information

Application	WB, IHC-P, ICC
Primary Accession	Q9Y6N6
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Laminin subunit gamma-1&Laminin subunit gamma-2&Laminin subunit gamma-3(LAMC1&LAMC2&LAMC3) detection. Tested with WB, IHC-P, ICC in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	10319
Other Names	Laminin subunit gamma-3, Laminin-12 subunit gamma, Laminin-14 subunit gamma, Laminin-15 subunit gamma, LAMC3
Calculated MW	171227
Application Details	Immunocytochemistry , 0.5-1 μ g/ml, Human, - Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, By Heat Western blot, 0.1-0.5 μ g/ml, Human
Subcellular Localization	Secreted, extracellular space, extracellular matrix, basement membrane.
Tissue Specificity	Broadly expressed in: skin, heart, lung, and the reproductive tracts.
Source	Eukaryota
Protein Name	Laminin subunit gamma-1&Laminin subunit gamma-2&Laminin subunit gamma-3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	Peptide mixture of laminin gamma1,2,3(DLNKLNEIEGTLNKAKDEMK; MSELEERARQQRGHLHLLT; LQRKLSLLEQESQQQELQIQ). Laminin gamma has only three subtypes of antibody to gamma1-3 reactive with all isoforms of laminin.
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Contains 11 laminin EGF-like domains.

Protein Information

Name	LAMC3
Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane
Tissue Location	Broadly expressed in: skin, heart, lung, and the reproductive tracts

Background

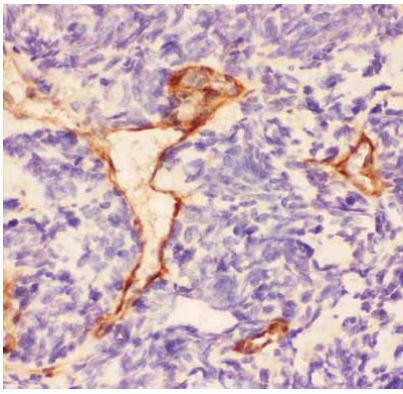
Laminins are major proteins in the basal lamina (one of the layers of the basement membrane), a protein network foundation for most cells and organs. Laminins form independent networks and are associated with type IV collagen networks via entactin, fibronectin, and perlecan. They are important and biologically 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.

Images



Anti-Laminin Picoband antibody, ABO11841-2.jpg
 All lanes: Anti Laminin (ABO11841) at 0.5ug/ml
 Lane 1: HELA Whole Cell Lysate at 40ug
 Lane 2: HEPG2 Whole Cell Lysate at 40ug
 Predicted bind size: 177KD
 Observed bind size: 177KD

Anti-Laminin Picoband antibody, ABO11841-3.JPG
 IHC(P): Human Lung Cancer Tissue



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.