

Anti-Laminin Picoband Antibody
Catalog # ABO11841**Specification**

Anti-Laminin Picoband Antibody - 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.

Anti-Laminin Picoband Antibody - 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 MW KDa

Application Details

Immunocytochemistry , 0.5-1 µg/ml, Human, -
Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization

Secreted, extracellular space, extracellular matrix, basement membrane.

Tissue Specificity

Broadly expressed in: skin, heart, lung, and the reproductive tracts.

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 Na₂HPO₄, 0.05mg NaN₃.

Immunogen

Peptide mixture of laminin gamma1,2,3(DLNKLNEIEGTLNKAKDEMK; MSELEERARQQRGHLHLLLET; 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.

Anti-Laminin Picoband Antibody - 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

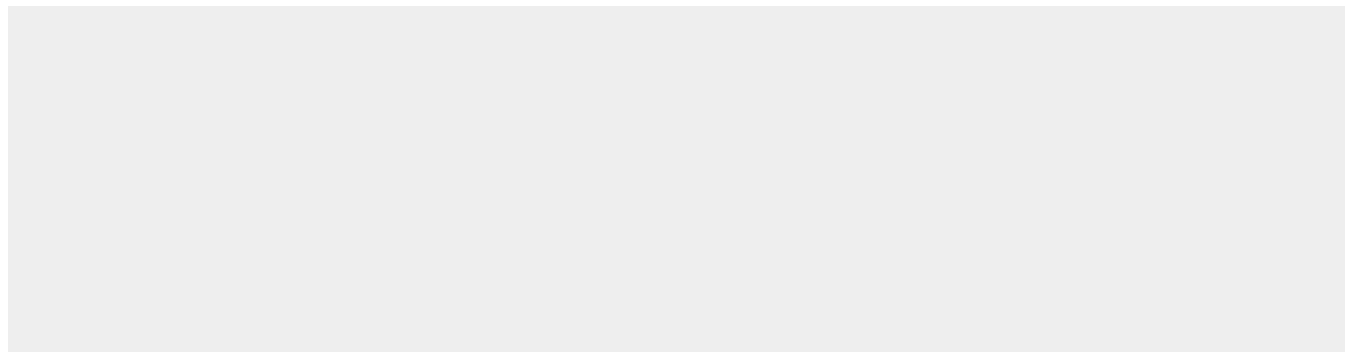
Tissue Location

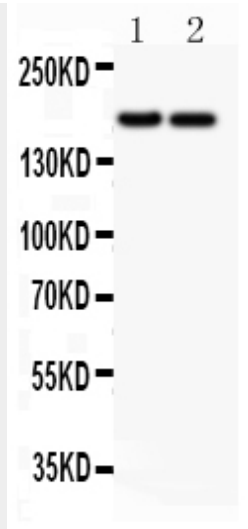
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Anti-Laminin Picoband Antibody - Protocols

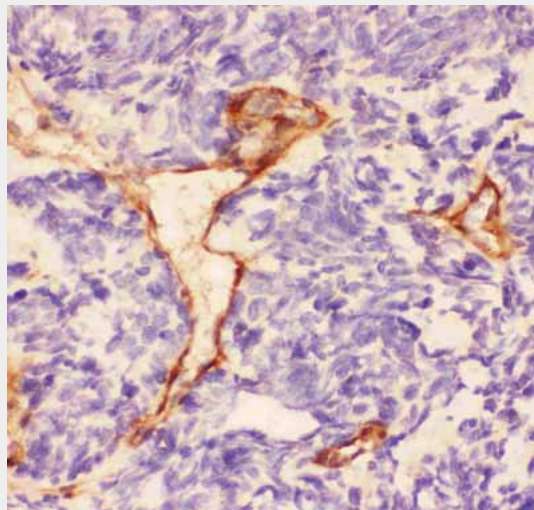
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Laminin Picoband Antibody - 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

Anti-Laminin Picoband Antibody - 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.