

## Anti-LAMA3 Antibody Picoband®

Catalog Number: A04194-2

### About LAMA3

The protein encoded by this gene belongs to the laminin family of secreted molecules. Laminins are heterotrimeric molecules that consist of alpha, beta, and gamma subunits that assemble through a coiled-coil domain. Laminins are essential for formation and function of the basement membrane and have additional functions in regulating cell migration and mechanical signal transduction. This gene encodes an alpha subunit and is responsive to several epithelial-mesenchymal regulators including keratinocyte growth factor, epidermal growth factor and insulin-like growth factor. Mutations in this gene have been identified as the cause of Herlitz type junctional epidermolysis bullosa and laryngoonychocutaneous syndrome. Alternative splicing and alternative promoter usage result in multiple transcript variants.

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### Overview

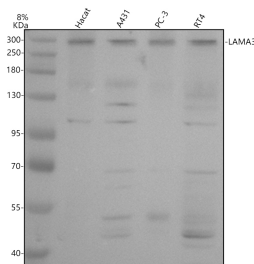
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-LAMA3 Antibody Picoband®                                                                                                                                                                                                                                                                                                                                                                                     |
| Reactive Species     | Human                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description          | Boster Bio Anti-LAMA3 Antibody Picoband® catalog # A04194-2. Tested in WB, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Application          | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                         |
| Clonality            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                        |
| Formulation          | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                         |
| Storage Instructions | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.                                                                                                                                                                                                                 |
| Host                 | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                            |
| Uniprot ID           | Q16787                                                                                                                                                                                                                                                                                                                                                                                                            |

### Technical Details

|           |                                                                         |
|-----------|-------------------------------------------------------------------------|
| Immunogen | E.coli-derived human LAMA3 recombinant protein (Position: Y1538-K2505). |
|-----------|-------------------------------------------------------------------------|

|                     |                                                                           |
|---------------------|---------------------------------------------------------------------------|
| Form                | Lyophilized                                                               |
| Concentration       | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |
| Purification        | Immunogen affinity purified.                                              |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Human<br>ELISA, 0.1-0.5 ug/ml               |

## Anti-LAMA3 Antibody Picoband® (A04194-2) Images



Western blot analysis of LAMA3 using anti-LAMA3 antibody (A04194-2). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hacat whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human PC-3 whole cell lysates, Lane 4: human RT4 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LAMA3 antigen affinity purified polyclonal antibody (A04194-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for LAMA3 at approximately 367 kDa. The expected band size for LAMA3 is at 367 kDa.

### Anti-LAMA3 Antibody

For Research Use Only. Not for use in diagnostic procedures.