Anti-LAMC2 antibody ab96327

Overview

Product name: Anti-LAMC2 antibody
Description: Rabbit polyclonal to LAMC2
Host species: Rabbit
Tested applications: Suitable for: WB
Species reactivity:
- Reacts with: Human
- Predicted to work with: Mouse, Rat, Dog
Immunogen: Recombinant protein fragment contain a sequence corresponding to a region within amino acids 445 and 627 of Human LAMC2
Positive control: Raji whole cell lysate

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer:
- pH: 7.00
- Preservative: 0.01% Thimerosal (merthiolate)
- Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab96327 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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**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. Ladsin exerts cell-scattering activity toward a wide variety of cells, including epithelial, endothelial, and fibroblastic cells.

**Tissue specificity**

The large variant is expressed only in specific epithelial cells of embryonic and neonatal tissues. In 17-week old embryo the small variant is found in cerebral cortex, lung, and distal tubes of kidney, but not in epithelia except for distal tubuli.

**Involvement in disease**

Defects in LAMC2 are a cause of epidermolysis bullosa junctional Herlitz type (H-JEB) [MIM:226700]; also known as junctional epidermolysis bullosa Herlitz-Pearson type. JEB defines a group of blistering skin diseases characterized by tissue separation which occurs within the dermo-epidermal basement membrane. H-JEB is a severe, infantile and lethal form. Death occurs usually within the first six months of life. Occasionally, children survive to teens. H-JEB is marked by bullous lesions at birth and extensive denudation of skin and mucous membranes that may be hemorrhagic.

**Sequence similarities**

Contains 8 laminin EGF-like domains.
Contains 1 laminin IV type A domain.

**Domain**

The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure. Domain IV is globular.

**Cellular localization**

Secreted > extracellular space > extracellular matrix > basement membrane. Major component.

**Images**

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<tr>
<th>KDa</th>
<th>Predicted band size: 131 kDa</th>
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<tbody>
<tr>
<td>170</td>
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<td>130</td>
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Western blot - Anti-LAMC2 antibody (ab96327) at 1/1000 dilution + Raji cell lysate at 30 µg

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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