

Anti-Laminin 2 alpha/LAMA2 Antibody

Catalog Number: PA2160

About LAMA2

Laminin, alpha-2, also known as LAMA2, is a protein that in humans is encoded by the LAMA2 gene. This gene is mapped to 6q22.33. Laminin, an extracellular protein, is a major component of the basement membrane. It is thought to mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. It is composed of three subunits, alpha, beta, and gamma, which are bound to each other by disulfide bonds into a cross-shaped molecule. This gene encodes the alpha 2 chain, which constitutes one of the subunits of laminin 2 (merosin) and laminin 4 (s-merosin). Mutations in this gene have been identified as the cause of congenital merosin-deficient muscular dystrophy. Two transcript variants encoding different proteins have been found for this gene.

Overview

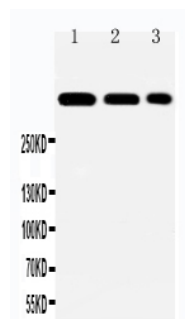
Product Name	Anti-Laminin 2 alpha/LAMA2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Laminin 2 alpha/LAMA2 Antibody catalog # PA2160. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P24043

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Laminin 2 alpha, identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat</p>

Anti-Laminin 2 alpha/LAMA2 Antibody (PA2160) Images



Anti-Laminin 2 alpha antibody, PA2160, Western blotting

Lane 1: HELA Cell Lysate

Lane 2: A549 Cell Lysate

Lane 3: PANC Cell Lysate

13 Publications Citing This Product

1. PubMed ID: 23856441, Xu L, Zheng N, He Q, Li R, Zhang K, Liang T. Phytomedicine. 2013 Oct 15;20(13):1172-9. Doi: 10.1016/J.Phymed.2013.06.008. Epub 2013 Jul 13. Puerarin, Isolated From Pueraria Lobata (Willd.), Protects Against Hepatotoxicity Via Specific Inhibition O...
2. PubMed ID: 25063144, Lin Cy, Li Lt, Su Wt. Mater Sci Eng C Mater Biol Appl. 2014 Sep;42:474-8. Doi: 10.1016/J.Msec.2014.05.063. Epub 2014 Jun 6. Three Dimensional Chitosan Scaffolds Influence The Extra Cellular Matrix Expression In Schwann Cells.
3. PubMed ID: 24697670, Liang S, Li Hc, Wang Yx, Wu Ss, Cai Yj, Cui Hl, Yang Yp, Ya J. Dev Growth Differ. 2014 May;56(4):276-92. Doi: 10.1111/Dgd.12129. Epub 2014 Apr 3. Pulmonary Endoderm, Second Heart Field And The Morphogenesis Of Distal Outflow Tract In Mouse Embryon...

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