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KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2238

Specification

KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	P07942
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 198 kDa; observed, 250 kDa KDa**
Gene Name	**LAMB1**
Aliases	**LAMB1; Laminin Subunit Beta 1; Laminin Subunit Beta-1; Laminin B1 Chain; Laminin, Beta 1; CLM; Cutis Laxa With Marfanoid Phenotype; Laminin-10 Subunit Beta; Laminin-12 Subunit Beta; Laminin-1 Subunit Beta; Laminin-2 Subunit Beta; Laminin-6 Subunit Beta; Laminin-8 Subunit Beta; LIS5**
Immunogen	**A synthesized peptide derived from human LAMB1**

KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody - Additional Information

Gene ID **3912**

Other Names
Laminin subunit beta-1, Laminin B1 chain, Laminin-1 subunit beta, Laminin-10 subunit beta, Laminin-12 subunit beta, Laminin-2 subunit beta, Laminin-6 subunit beta, Laminin-8 subunit beta, LAMB1

KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody - Protein Information

Name LAMB1

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. Involved in the organization of the laminar architecture of cerebral cortex. It is probably required for the integrity of the basement membrane/glia limitans that serves as an anchor point for the endfeet of radial glial cells and as a physical barrier to migrating neurons. Radial glial cells play a central role in cerebral cortical development, where they act both as the proliferative unit of the cerebral cortex and a scaffold for neurons migrating toward the pial surface.

Cellular Location

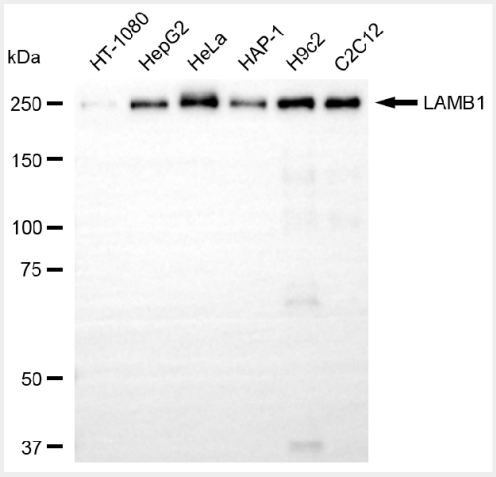
Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component

KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody - Protocols

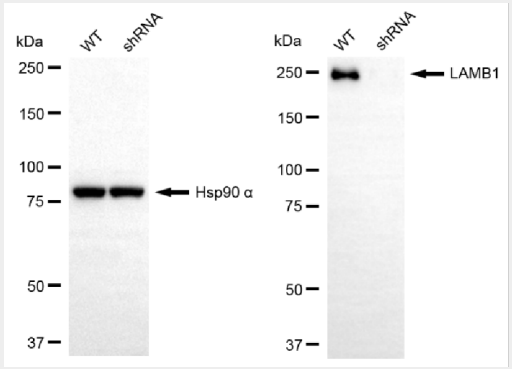
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-LAMB1 antibody (Cat#AGI2238). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-LAMB1 antibody (Cat#AGI2238, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-LAMB1 antibody (Cat#AGI2238). LAMB1 expression in wild-type (WT) and LAMB1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-LAMB1 antibody (Cat#AGI2238, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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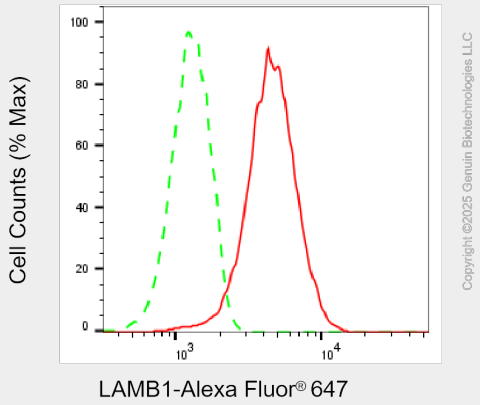

Flow cytometric analysis of LAMB1 expression in C2C12 cells using anti-LAMB1 antibody (Cat#AGI2238, 1:2,000). Green, isotype control; red, LAMB1.