

**LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS13156****Specification**

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**LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - Product Information**

Application	IHC
Primary Accession	<a href="#">P07942</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	198kDa KDa

**LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - 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

**Target/Specificity**

Human LAMB1

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

**Precautions**

LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) is for research use only and not for use in diagnostic or therapeutic procedures.

**LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - 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

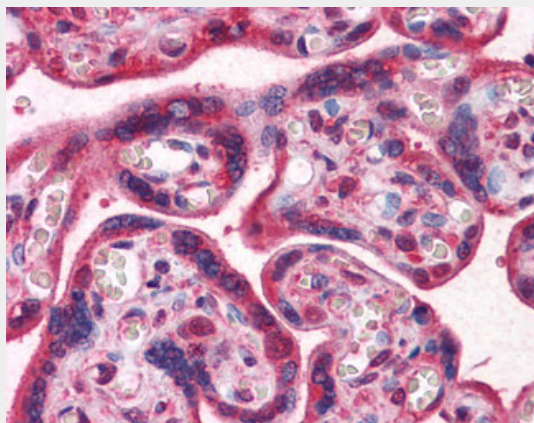
**Volume**  
50 µl

### **LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - Protocols**

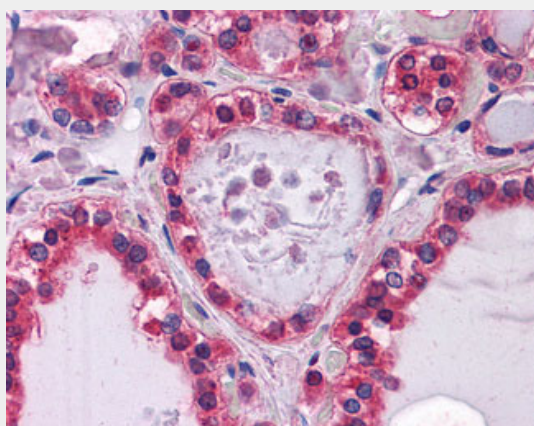
Provided below are standard protocols that you may find useful for product applications.

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

### **LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - Images**



Anti-LAMB1 antibody IHC of human placenta.



Anti-LAMB1 antibody IHC of human thyroid.

### **LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - Background**

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.

#### **LAMB1 / Laminin Beta 1 Antibody (clone 2D9G5) - References**

Vuolteenaho R., et al. J. Biol. Chem. 265:15611-15616(1990).  
Pikkarainen T., et al. J. Biol. Chem. 262:10454-10462(1987).  
Scherer S.W., et al. Science 300:767-772(2003).  
Jaye M., et al. Am. J. Hum. Genet. 41:605-615(1987).  
Liu T., et al. J. Proteome Res. 4:2070-2080(2005).