

# **Anti-Laminin Antibody**

**Catalog # ABO10443** 

# **Specification**

## **Anti-Laminin Antibody - Product Information**

Application WB, IHC-P
Primary Accession P15800
Host Mouse
Isotype Mouse IgG1
Reactivity Human, Pig
Clonality Monoclonal
Format Lyophilized

**Description** 

Mouse IgG monoclonal antibody for Laminin, laminin, alpha 1; laminin, alpha 2; laminin, beta 1; laminin, beta 2 (laminin S) (LAMA1; LAMA2; LAMB1; LAMB2) detection. Tested with WB, IHC-P in Human; feline; pig. No cross reactivity with other proteins.

### Reconstitution

Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

### **Anti-Laminin Antibody - Additional Information**

### **Gene ID** 25473

#### **Other Names**

Laminin subunit beta-2, Laminin chain B3, Laminin-11 subunit beta, Laminin-14 subunit beta, Laminin-15 subunit beta, Laminin-3 subunit beta, Laminin-4 subunit beta, Laminin-7 subunit beta, Laminin-9 subunit beta, S-laminin subunit beta, S-LAM beta, Lamb2

### **Calculated MW**

196474 MW KDa

### **Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1  $\mu$ g/ml, Human, feline, pig, By Heat<br/>br>Western blot, 0.25-0.5  $\mu$ g/ml, Human, feline, pig<br/>br>

#### **Subcellular Localization**

Secreted, extracellular space, extracellular matrix, basement membrane.

#### **Tissue Specificity**

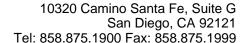
Found in the basement membranes (major component). S-laminin is concentrated in the synaptic cleft of the neuromuscular junction.

### **Protein Name**

Laminin subunit alpha-1; Laminin subunit alpha-2; Laminin subunit beta-1; Laminin subunit beta-2

#### Contents

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative.





Immunogen Human laminin.

**Purification**Ascites

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities
Contains 17 Iaminin EGF-like domains.

# **Anti-Laminin Antibody - Protein Information**

#### Name Lamb2

#### **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.

#### **Cellular Location**

Secreted, extracellular space, extracellular matrix, basement membrane

### **Tissue Location**

Found in the basement membranes (major component). S-laminin is concentrated in the synaptic cleft of the neuromuscular junction

# **Anti-Laminin Antibody - Protocols**

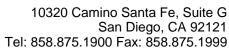
Provided below are standard protocols that you may find useful for product applications.

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

# **Anti-Laminin Antibody - Images**

# **Anti-Laminin Antibody - Background**

Laminin is a heterotrimeric extracellular matrix protein consisting of 3 chains: alpha-1,beta-1 and gamma-1, formerly called beta-2(LAMA2). This gene is over 260,000 base pairs and contains 64 exons. Laminin is similar with merosin, a basement membrane-associated protein found in placenta, striated muscle, and peripheral nerve, and both of them are members of the same family





of basement membrane proteins. And merosin is the same as laminin M, a striated muscle-specific, basal-lamina-associated protein, it may play a primary role in the pathogenesis of that disorder.