

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 µg/ml, Human, feline, pig, By Heat

Western blot, 0.25-0.5 µg/ml, Human, feline, pig

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 reconstitution, 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 laminin 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 Cytometry](#)
- [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.