

Anti-Laminin Antibody

Catalog # ABO10443

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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, feline, pig, By Heat Western blot, 0.25-0.5 μ g/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.
Source	Eukaryota
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 NaN ₃ as preservative.

Clone Names	LAM-89
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.

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

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.

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