

Laminin beta1 Polyclonal Antibody

Catalog No.B-IO-10190ReactivityM,RStorageStore at -20 °C. Avoid freeze / thaw cycles.HostRabbitApplicationsWBIsotypeIgG

Note: Centrifuge before opennsure complete recovery of vial contents.

Immunogen Information

Immunogen Recombinant protein corresponding to Mouse Laminin β1

Swissprot P07942,P02469

Synonyms LAMB1,CLM,LIS5, Laminin,beta 1, laminin subunit beta 1

Product Information

Calculated MW 198kDa **Observed MW** 220kDa

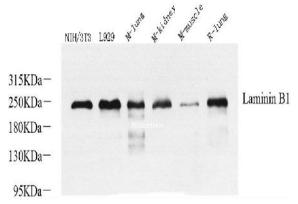
Buffer PBS with 0.02% sodium azide,100 μ g/ml BSA and 50% glycerol.

Purify Affinity purification
Dilution WB 1:500-1:2000

Background

Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. Several isoforms of each chain have been described. This gene encodes the beta chain isoform laminin, beta 1. The beta 1 chain has 7 structurally distinct domains which it shares with other beta chain isomers. The C-terminal helical region containing domains I and II are separated by domain alpha, domains III and V contain several EGF-like repeats, and domains IV and VI have a globular conformation. Laminin, beta 1 is expressed in most tissues that produce basement membranes, and is one of the 3 chains constituting laminin 1, the first laminin isolated from Engelbreth-Holm-Swarm (EHS) tumor. A sequence in the beta 1 chain that is involved in cell attachment, chemotaxis, and binding to the laminin receptor was identified and shown to have the capacity to inhibit metastasis.

Images



Western Blot analysis of various samples using Laminin beta1 Polyclonal Antibody at dilution of 1:800.