

KD-Validated Anti-LAMB1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2238

Product Information

Application	WB, FC
Primary Accession	P07942
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB1590
Calculated MW	198038
Gene Name	LAMB1
Aliases	LAMB1; Laminin Subunit Beta 1; Laminin Subunit Beta-1; Laminin B1 Chain; Laminin, Beta 1; CLM; Cutis Laxa With Marfanoid Phenotype; Laminin-10 Subunit Beta; Laminin-12 Subunit Beta; Laminin-1 Subunit Beta; Laminin-2 Subunit Beta; Laminin-6 Subunit Beta; Laminin-8 Subunit Beta; LIS5
Immunogen	A synthesized peptide derived from human LAMB1

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

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 the cerebral cortex (PubMed: 23472759). 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 (By similarity). 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 (By similarity). As a subunit of laminin-1 (also known as laminin-111 or EHS laminin), it is involved in the stimulation of agrin-induced receptor clustering through a MuSK-independent pathway (By similarity).
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.