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Rabbit Anti-Laminin subunit beta-4/LAMB4 antibody

SL10374R

Product Name:	Laminin subunit beta-4/LAMB4
Chinese Name:	层粘连蛋白β4抗体
Alias:	LAMB4; Laminin beta-1-related protein; Laminin subunit beta-4; Laminin, beta 4; LAMB4_HUMAN; Laminin beta-1-related protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	191kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Laminin subunit beta-4:1451-1550/1761
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:
Receptor for the C-type natriuretic peptide NPPC/CNP hormone. Has guanylate cyclase activity upon binding of its ligand. May play a role in the regulation of skeletal growth.

Subcellular Location:
Secreted, extracellular space, extracellular matrix, basement membrane.

Post-translational modifications:
Phosphorylation of the protein kinase-like domain is required for full activation by CNP.

DISEASE:
Acromesomelic dysplasia, Maroteaux type (AMDM) [MIM:602875]: An autosomal recessive acromesomelic chondrodysplasia. Acromesomelic chondrodysplasias are rare hereditary skeletal disorders characterized by short stature, very short limbsand hand/foot malformations. The severity of limb abnormalities increases from proximal to distal with profoundly affected hands and feet showing brachydactyly and/or rudimentary fingers (knob-like fingers). AMDM is characterized by axial skeletal involvement with wedging of vertebral bodies. In AMDM all skeletal elements are present but show abnormal rates of linear growth. Note=The disease is caused by mutations affecting the gene represented in this entry.

Similarity:
Belongs to the adenylyl cyclase class-4/guanylyl cyclase family.
Contains 1 guanylate cyclase domain.
Contains 1 protein kinase domain.

SWISS:
A4D0S4

Gene ID:
22798

Database links:

Entrez Gene: 22798 Human

SwissProt: A4D0S4 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.