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# Rabbit Anti-Laminin subunit beta-4/LAMB4 antibody

SL10374R

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|---|---|
| **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. |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | (predicted: Human, ) |
| **Applications** | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000<br>（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Theoretical molecular weight** | 191kDa |
| **Cellular localization** | cytoplasmic |
| **Form** | 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 |
| **Buffer Solution** | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. |
| **Storage** | Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Attention** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **PubMed** | PubMed |
| **Product** | Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, |

**Detail**

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