

## Rabbit Anti-Laminin alpha 1/AP Conjugated antibody

SL4973R-AP

<b>Product Name</b>	Anti-Laminin alpha 1/AP
<b>Chinese Name</b>	碱性磷酸酶 (AP) 标记的层粘蛋白 $\alpha$ 1 抗体
<b>Alias</b>	LAMA; LAMA1; Laminin A chain; Laminin subunit alpha-1; Laminin-1 subunit alpha; Laminin-3 subunit alpha; S-laminin subunit alpha; S-LAM alpha; Laminin subunit alpha-1; LAMA1_HUMAN; Laminin-1 subunit alpha; Laminin-3 subunit alpha.
<b>Research Area</b>	Cell biology Neurobiology Signal transduction Cell adhesion molecule Cytoskeleton Extracellular matrix
<b>Immunogen Species</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>React Species</b>	Mouse(predicted:Human,Rat,Chicken,Cow,Rabbit)
<b>Applications</b>	IHC-P=1:100-500,IHC-F=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight</b>	337kDa
<b>Form</b>	Lyophilized or Liquid
<b>Concentration</b>	1mg/ml
<b>immunogen</b>	KLH conjugated synthetic peptide derived from human Laminin
<b>Lsotype</b>	IgG
<b>Purification</b>	affinity purified by Protein A
<b>Storage Buffer</b>	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>Storage</b>	
<b>Product Detail</b>	<b>background:</b> This gene encodes one of the alpha 1 subunits of laminin. The laminins are a family of extracellular matrix glycoproteins that have a heterotrimeric

structure consisting of an alpha, beta and gamma chain. These proteins make up a major component of the basement membrane and have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Mutations in this gene may be associated with Poretti-Boltshauser syndrome. [provided by RefSeq, Sep 2014].

**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.

**Subunit:**

Laminin is a complex glycoprotein, consisting of three different polypeptide chains (alpha, beta, gamma), which are bound to each other by disulfide bonds into a cross-shaped molecule comprising one long and three short arms with globules at each end. Alpha-1 is a subunit of laminin-1 (laminin-111 or EHS laminin) and laminin-3 (laminin-121 or S-laminin).

**Subcellular Location:**

Secreted, extracellular space, extracellular matrix, basement membrane.  
Note=Major component.

**Similarity:**

Contains 17 laminin EGF-like domains.  
Contains 5 laminin G-like domains.  
Contains 2 laminin IV type A domains.  
Contains 1 laminin N-terminal domain.

**Database links:**

[Entrez Gene: 10319](#) Human

[Entrez Gene: 284217](#) Human

[Entrez Gene: 3908](#) Human

[Entrez Gene: 3912](#) Human

[Entrez Gene: 3913](#) Human

[Entrez Gene: 3915](#) Human

[Entrez Gene: 3918](#) Human

[Entrez Gene: 16772](#) Mouse

[Entrez Gene: 316758](#) Rat

[Omin: 150320](#) Human

[SwissProt: P07942](#) Human

[SwissProt: P24043](#) Human

[SwissProt: P25391](#) Human

[SwissProt: P55268](#) Human

[SwissProt: Q9Y6N6](#) Human

[SwissProt: P19137](#) Mouse

[SwissProt: Q9R0B6](#) Mouse

[Unigene: 201805](#) Human

[Unigene: 270364](#) Human

[Unigene: 302362](#) Mouse

**Important Note:**

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