

Product datasheet for **SP1091**

Laminin (alpha + beta chains) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA: > 1/1000. Immunofluorescence. Immunohistochemistry on Frozen Sections: 1/200-1/1000. Immunohistochemistry on Paraffin Sections. Recommended Positive Control: Human kidney.
Reactivity:	Chicken, Human, Rabbit, Duck
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly purified Laminin from Engelbreth-Holm-Swarm (EHS) tumor
Specificity:	This antibody recognizes both A (400kD) and B (220 kD) chains of Laminin.
Formulation:	State: Serum State: Liquid Whole Serum Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



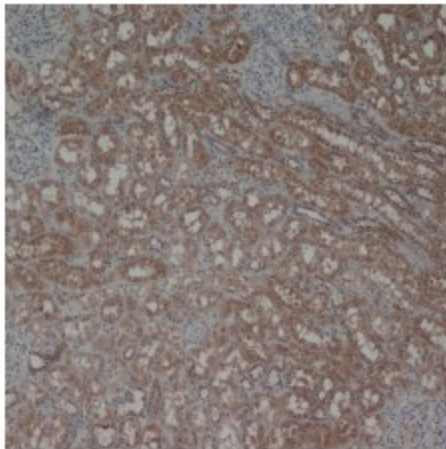
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Background:

Laminin, the most abundant structural and biologically active component in basement membranes, is a complex extracellular glycoprotein with an approximate molecular weight of 900 kDa. It plays an important role in many aspects of the cell biology. Laminin is composed of one A chain (400 kDa) one B1 chain (215 kDa) and one B2 chain (205 kDa) all held together by disulfide bonds. The molecule has a cross like form with globular units near the ends of each chain, the sites where it is bound to Collagen IV, heparan sulfate, proteoglycan as well as to the surface of epithelial cells. Laminins from various species have common antigenic determinants. Laminin is only found in significant quantities in basement membranes, the thin extracellular matrices that surround epithelial tissue, nerve, fat cells and smooth, striated and cardiac muscle. It has been found to modulate cell differentiation, cell shaping and also cell movement because it appears to be an important cell substrate adhesion protein. Variations in the expression of this protein have been observed in embryogenesis, organogenesis, post traumatic healing and cancer. The greatest interest in laminin has been provoked by the discovery of its ability to promote neurite regeneration.

Note:

Antiserum preparation: Antisera to laminin were raised by repeated immunisation of rabbits with highly purified antigen.

Product images:

Staining of Formalin Fixed, Paraffin Embedded Human kidney with Laminin Antibody Cat.-No SP1091