

# Laminin $\gamma$ -1 rabbit pAb

Cat No.:ES6084

For research use only

## Overview

Product Name	Laminin $\gamma$ -1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Monkey;Cat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human LAMC1. AA range:1451-1500
Specificity	Laminin $\gamma$ -1 Polyclonal Antibody detects endogenous levels of Laminin $\gamma$ -1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Laminin subunit gamma-1
Gene Name	LAMC1
Cellular localization	Secreted, extracellular space, extracellular matrix, basement membrane.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	178kD
Human Gene ID	3915
Human Swiss-Prot Number	P11047
Alternative Names	LAMC1; LAMB2; Laminin subunit gamma-1; Laminin B2 chain; Laminin-1 subunit gamma; Laminin-10 subunit gamma; Laminin-11 subunit gamma; Laminin-2 subunit gamma; Laminin-3 subunit gamma; Laminin-4 subunit gamma; Laminin-6

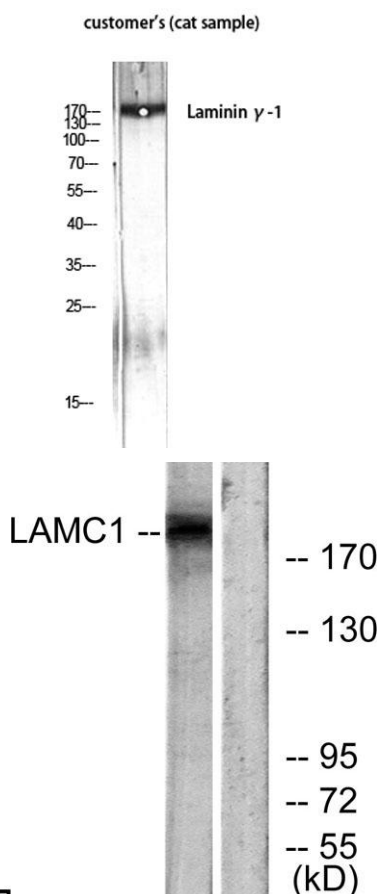




## Background

subunit gamma; Laminin

Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins, composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively), have a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. Several isoforms of each chain have been described. Different alpha, beta and gamma chain isomers combine to give rise to different heterotrimeric laminin isoforms which are designated by Arabic numerals in the order of their discovery, i.e. alpha1beta1gamma1 heterotrimer is laminin 1. The biological func



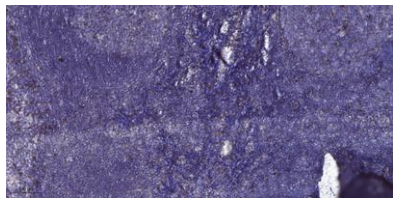
Western Blot analysis of customer's (cat sample) using Laminin  $\gamma$ -1 Polyclonal Antibody diluted at 1:1000

Western blot analysis of lysates from HUVEC cells, using LAMC1 Antibody. The lane on the right is blocked with the synthesized peptide.





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Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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