

Laminin α -1 Polyclonal Antibody

Catalog No :	YT2523
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA;IHC
Target :	Laminin α -1
Fields :	>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Toxoplasmosis;>>Amoebiasis;>>Human papillomavirus infection;>>Pathways in cancer;>>Small cell lung cancer;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy;>>Viral myocarditis
Gene Name :	LAMA1
Protein Name :	Laminin subunit alpha-1
Human Gene Id :	284217
Human Swiss Prot No :	P25391
Mouse Swiss Prot No :	P19137
Immunogen :	The antiserum was produced against synthesized peptide derived from human LAMA1. AA range:2501-2550
Specificity :	Laminin α -1 Polyclonal Antibody detects endogenous levels of Laminin α -1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 337kD

Cell Pathway : Focal adhesion;ECM-receptor interaction;Pathways in cancer;Small cell lung cancer;

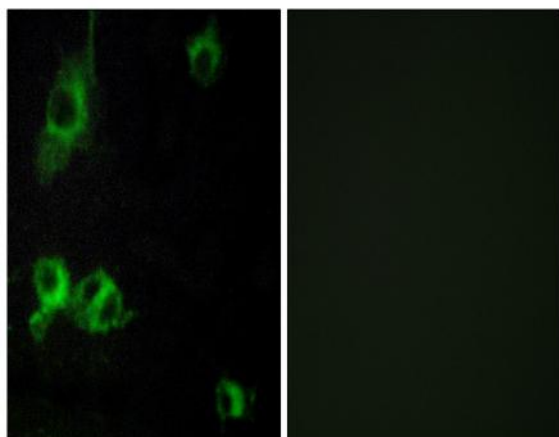
Background : This gene encodes one of the alpha 1 subunits of laminin. The laminins are a family of extracellular matrix glycoproteins that have a heterotrimeric structure consisting of an alpha, beta and gamma chain. These proteins make up a major component of the basement membrane and have been implicated 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 : domain:Domains VI, IV and G are globular.,domain:The alpha-helical domains I and II are thought to interact with other laminin chains to form a coiled coil structure.,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.,similarity:Contains 1 laminin N-terminal domain.,similarity:Contains 17 laminin EGF-like domains.,similarity:Contains 2 laminin IV type A domains.,similarity:Contains 5 laminin G-like domains.,subcellular location:Major component.,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. Alp

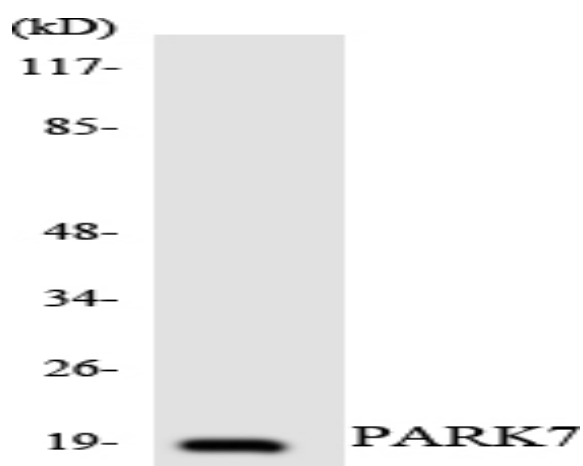
Subcellular Location : Secreted, extracellular space, extracellular matrix, basement membrane. Major component.

Expression : Liver,Placenta,Skin,

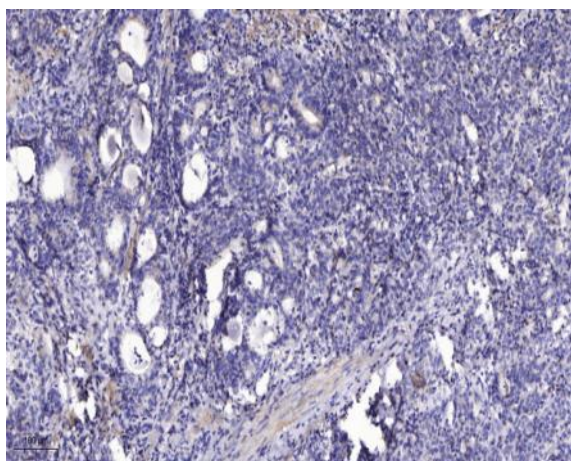
Products Images



Immunofluorescence analysis of COS7 cells, using LAMA1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using PARK7 antibody.



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 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, 45min).