



Laminin α -1 Polyclonal Antibody

Catalog No	YP-Ab-17037
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	LAMA1
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
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	VLA1;CD49a;Integrin alpha 1 (ITGA1/CD49a);Laminin α -1;LAMA1;Laminin subunit alpha-1;LAMA;Laminin A chain;Laminin-1 subunit alpha;Laminin-3 subunit alpha;S-laminin subunit alpha;S-LAM alpha
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Secreted, extracellular space, extracellular matrix, basement membrane. Major component.
Tissue Specificity	Liver,Placenta,Skin,
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

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],

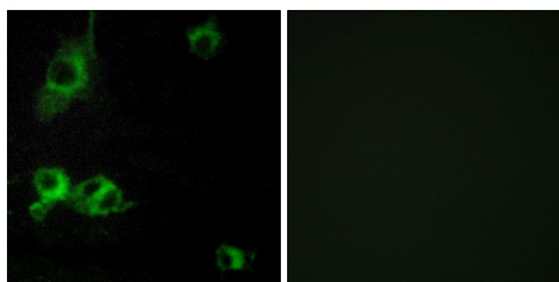
matters needing attention

Avoid repeated freezing and thawing!

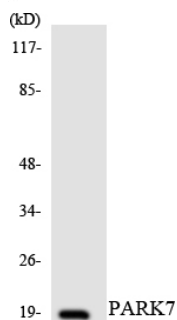
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

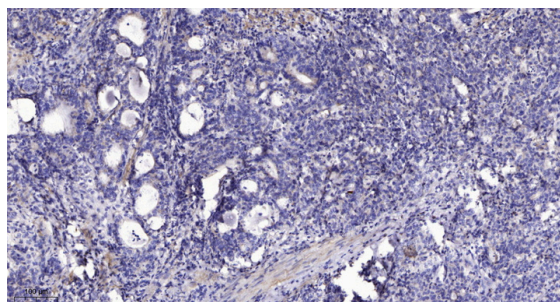
Products Images



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, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).