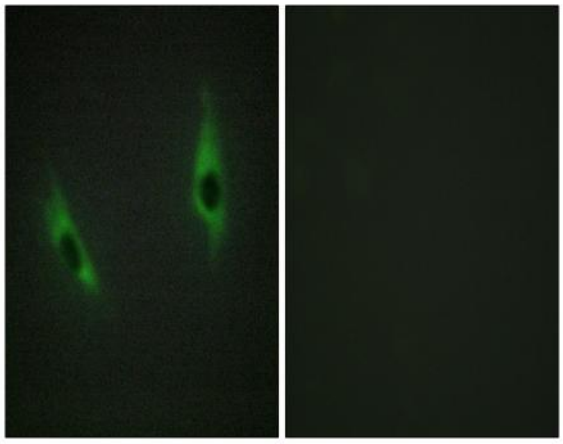
Best Tools for immunology Research

Laminin β-3 Polyclonal Antibody

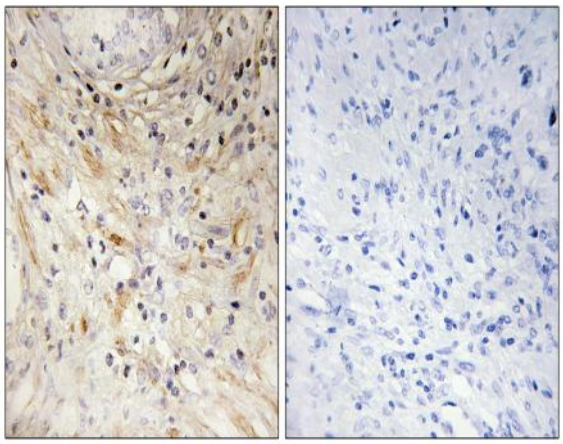
Catalog No :	YT2530
Reactivity :	Human;Mouse
Applications :	IHC;IF;ELISA
Target :	Laminin β-3
Fields :	>>PI3K-Akt signaling pathway;>>Focal adhesion;>>ECM-receptor interaction;>>Toxoplasmosis;>>Amoebiasis;>>Human papillomavirus infection;>>Pathways in cancer;>>Small cell lung cancer
Gene Name :	LAMB3
Protein Name :	Laminin subunit beta-3
Human Gene Id :	3914
Human Swiss Prot No :	Q13751
Mouse Swiss Prot No :	Q61087
Immunogen :	The antiserum was produced against synthesized peptide derived from human LAMB3. AA range:671-720
Specificity :	Laminin β-3 Polyclonal Antibody detects endogenous levels of Laminin β-3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
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 :	130kD
Cell Pathway :	Focal adhesion;ECM-receptor interaction;Pathways in cancer;Small cell lung cancer;
Background :	The product encoded by this gene is a laminin that belongs to a family of basement membrane proteins. This protein is a beta subunit laminin, which together with an alpha and a gamma subunit, forms laminin-5. Mutations in this gene cause epidermolysis bullosa junctional Herlitz type, and generalized atrophic benign epidermolysis bullosa, diseases that are characterized by blistering of the skin. Multiple alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008],
Function :	disease:Defects in LAMB3 are a cause of epidermolysis bullosa junctional Herlitz type (H-JEB) [MIM:226700]; also known as junctional epidermolysis bullosa Herlitz-Pearson type. JEB defines a group of blistering skin diseases characterized by tissue separation which occurs within the dermo-epidermal basement membrane. H-JEB is a severe, infantile and lethal form. Death occurs usually within the first six months of life. Occasionally, children survive to teens. H-JEB is marked by bullous lesions at birth and extensive denudation of skin and mucous membranes that may be hemorrhagic.,disease:Defects in LAMB3 are a cause of generalized atrophic benign epidermolysis bullosa (GABEB) [MIM:226650]. GABEB is a non-lethal, adult form of junctional epidermolysis bullosa characterized by life-long blistering of the skin, associated with hair and tooth abnormalities.,domain:Domain VI is globular.,doma
Subcellular Location :	Secreted, extracellular space, extracellular matrix, basement membrane.
Expression :	Found in the basement membranes (major component).

Products Images



Immunofluorescence analysis of HeLa cells, using LAMB3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human prostate carcinoma tissue, using LAMB3 Antibody. The picture on the right is blocked with the synthesized peptide.