

COL17A1 Polyclonal Antibody

Catalog No :	YT5832
Reactivity :	Human;Mouse
Applications :	WB IF;ELISA
Target :	COL17A1
Fields :	>>Protein digestion and absorption
Gene Name :	COL17A1 BP180 BPAG2
Protein Name :	collagen, type XVII, alpha 1
Human Gene Id :	1308
Human Swiss Prot No :	Q9UMD9
Mouse Gene Id :	12821
Mouse Swiss Prot No :	Q07563
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human COL17A1. AA range:481-530
Specificity :	The antibody detects endogenous COL17A1 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 IF 1:100-300 ELISA 1:5000-20000 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)

Observed Band : 150kD

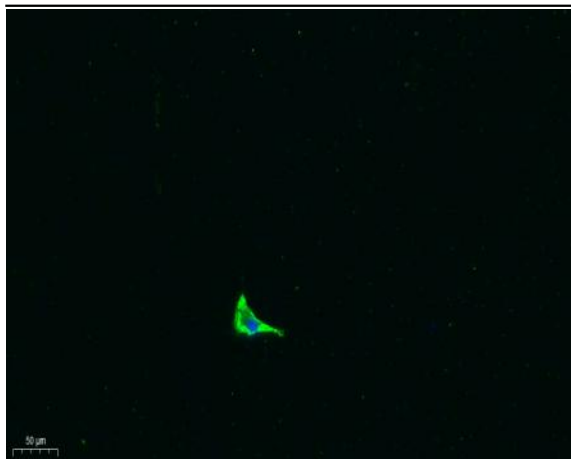
Background : This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred to as either ectodomain or LAD-1, is generated by proteolytic processing of the full length form. [provided by RefSeq, Jul 2008],

Function : disease:Defects in COL17A1 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.,function:May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane.,function:The 120 kDa linear IgA disease antigen is an anchoring filament component involved in dermal-epidermal cohesion. Is the target of linear IgA bullous dermatosis autoantibodies.,miscellaneous:Both the 120 kDa linear IgA disease antigen and the 97 kDa linear IgA disease antigen of COL17A1, represent major antigenic targets of autoantibodies in patients with linear IgA disease (LAD). LAD is a subepidermal blistering disorder characterized by tissue-bound and circulating I

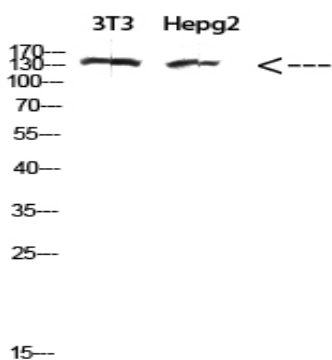
Subcellular Location : Cell junction, hemidesmosome. Membrane; Single-pass type II membrane protein. Localized along the plasma membrane of the hemidesmosome.; [120 kDa linear IgA disease antigen]: Secreted, extracellular space, extracellular matrix, basement membrane. Exclusively localized to anchoring filaments. Localized to the epidermal side of split skin.; [97 kDa linear IgA disease antigen]: Secreted, extracellular space, extracellular matrix, basement membrane. Localized in the lamina lucida beneath the hemidesmosomes.

Expression : Detected in skin (PubMed:8618013). In the cornea, it is detected in the epithelial basement membrane, the epithelial cells, and at a lower level in stromal cells (at protein level) (PubMed:25676728). Stratified squamous epithelia. Found in hemidesmosomes. Expressed in cornea, oral mucosa, esophagus, intestine, kidney collecting ducts, ureter, bladder, urethra and thymus but is absent in lung, blood vessels, skeletal muscle and nerves.

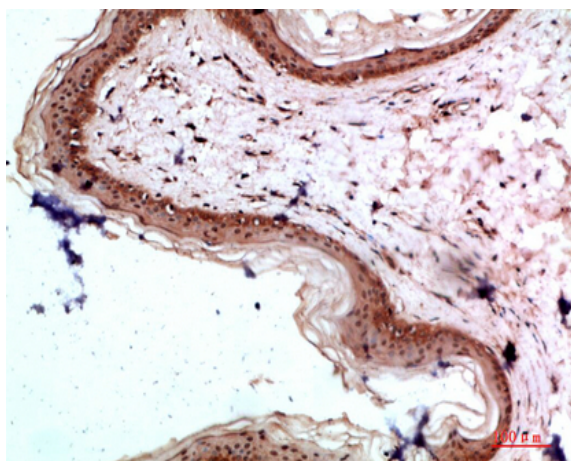
Products Images



Immunofluorescence analysis of A549. 1,primary Antibody was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 488 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western Blot analysis of 3T3, hepg2 cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:200