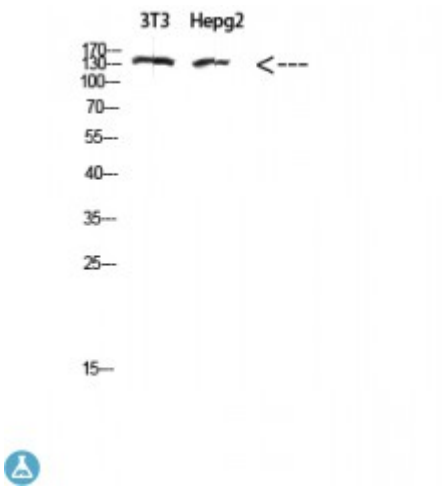
Anti-COL17A1 antibody



Description	Rabbit polyclonal to COL17A1.

Model	STJ98663
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthetic peptide from AA range: 481-530.
Immunogen Region	481-530 aa
Gene ID	1308
Gene Symbol	COL17A1
Dilution range	WB 1:5000-10000ELISA 1:10000
Specificity	The antibody detects endogenous COL17A1 protein
Tissue Specificity	Detected in skin . 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) . 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.
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Collagen alpha-1 XVII chain 180 kDa bullous pemphigoid antigen 2 Bullous

	pemphigoid antigen 2 120 kDa linear IgA disease antigen 120 kDa linear IgA dermatosis antigen Linear IgA disease antigen 1 LAD-1 97 kD
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:2194OMIM:113811
Alternative Names	Collagen alpha-1 XVII chain 180 kDa bullous pemphigoid antigen 2 Bullous pemphigoid antigen 2 120 kDa linear IgA disease antigen 120 kDa linear IgA dermatosis antigen Linear IgA disease antigen 1 LAD-1 97 kD
Function	May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane.; 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.
Cellular Localization	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.
Post-translational Modifications	The intracellular/endo domain is disulfide-linked.; Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains.; The ectodomain is shedded from the surface of keratinocytes resulting in a 120-kDa soluble form, also named as 120 kDa linear IgA disease antigen. The shedding is mediated by membrane-bound metalloproteases. This cleavage is inhibited by phosphorylation at Ser-544.