

Anti-Collagen XVII Rabbit Monoclonal Antibody

Catalog # ABO14147

Product Information

Application	WB, IHC, IF, ICC, IP
Primary Accession	Q9UMD9
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Collagen XVII Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

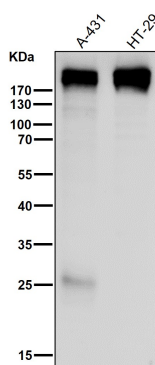
Gene ID	1308
Other Names	Collagen alpha-1(XVII) chain, 180 kDa bullous pemphigoid antigen 2, Bullous pemphigoid antigen 2, 120 kDa linear IgA disease antigen, 120 kDa linear IgA dermatosis antigen, Linear IgA disease antigen 1, LAD-1, 97 kDa linear IgA disease antigen, 97 kDa linear IgA bullous dermatosis antigen, 97 kDa LAD antigen, 97-LAD, Linear IgA bullous disease antigen of 97 kDa, LABD97, COL17A1, BP180, BPAG2
Calculated MW	150419
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:30
Subcellular Localization	Cell junction, hemidesmosome. Membrane; Single-pass type II membrane protein. Localized along the plasma membrane of the hemidesmosome.
Tissue Specificity	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..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: AA-3

Immunogen	A synthesized peptide derived from human Collagen XVII
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

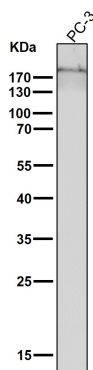
Protein Information

Name	COL17A1
Synonyms	BP180, BPAG2
Function	May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane.
Cellular Location	Cell junction, hemidesmosome. Membrane; Single- pass type II membrane protein. Note=Localized along the plasma membrane of the hemidesmosome [97 kDa linear IgA disease antigen]: Secreted, extracellular space, extracellular matrix, basement membrane Note=Localized in the lamina lucida beneath the hemidesmosomes
Tissue Location	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

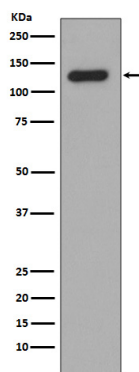
Images



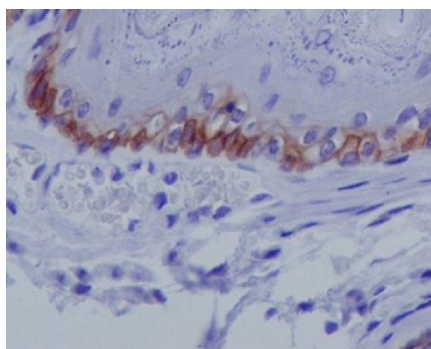
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



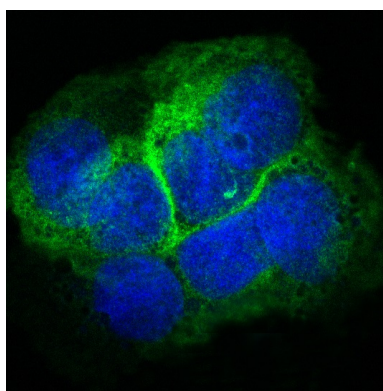
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of Collagen XVII expression in Human skin lysate.



Immunohistochemical analysis of paraffin-embedded mouse skin, using Collagen XVII Antibody.



Immunofluorescent analysis of A431 cells, using Collagen XVII Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.