

For Research Use Only

# Collagen Type XVII Polyclonal antibody

Catalog Number: 31190-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 31190-1-AP	<b>GenBank Accession Number:</b> BC168368	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1308	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UMD9	IHC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> collagen, type XVII, alpha 1	IF/ICC 1:200-1:800
<b>Immunogen Catalog Number:</b> AG34645	<b>Observed MW:</b> 180 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IHC	<b>WB :</b> A431 cells, mouse skin tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> rat skin tissue,
<b>Cited Species:</b> mouse	<b>IF/ICC :</b> A431 cells, HaCaT cells
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Collagen alpha-1(XVII) chain, also termed 180-kDa bullous pemphigoid antigen (BP180), is a type II transmembrane glycoprotein with a collagenous carboxyl-terminal extracellular domain and a noncollagenous amino-terminal cytoplasmic domain. High expression of COL17A1 has also been identified as a marker of human esophageal quiescent stem/progenitor cells (PMID: 35709398, 9545306). As a structural component of the hemidesmosome, COL17A1 is not only present as the full-length 180 kDa transmembrane form, but also as a cleaved 120 kDa soluble form that is further processed to a 97 kDa form (PMID: 113594550).

## Notable Publications

Author	Pubmed ID	Journal	Application
Cong Huang	39236903	J Invest Dermatol	IHC

## Storage

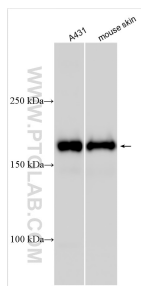
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

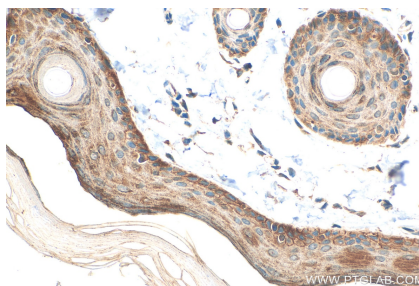
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

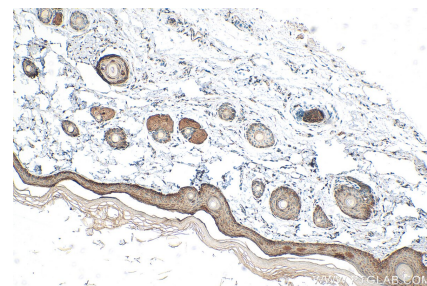
## Selected Validation Data



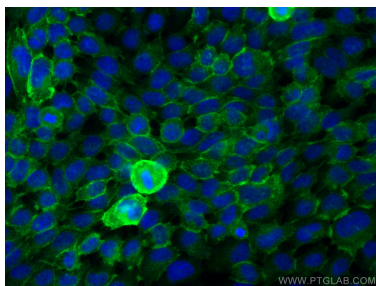
Various lysates were subjected to SDS PAGE followed by western blot with 31190-1-AP (COL17A1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



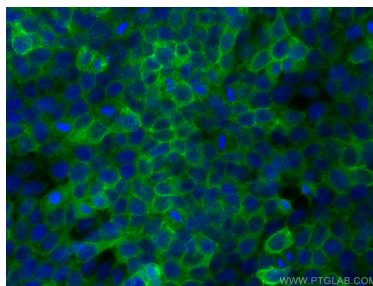
Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 31190-1-AP (COL17A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 31190-1-AP (COL17A1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using COL17A1 antibody (31190-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Methanol) fixed HaCaT cells using COL17A1 antibody (31190-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).