

For Research Use Only

# COL17A1 Polyclonal antibody

Catalog Number: 31190-1-AP



## 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> 450 µg/ml	<b>GeneID (NCBI):</b> 1308	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UMD9	
<b>Isotype:</b> IgG	<b>Full Name:</b> collagen, type XVII, alpha 1	
<b>Immunogen Catalog Number:</b> AG34645	<b>Observed MW:</b> 180 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, IHC, ELISA	<b>Positive Controls:</b> WB : A431 cells, mouse skin tissue IHC : rat skin tissue, IF/ICC : A431 cells, HaCaT cells
<b>Species Specificity:</b> Human, Mouse, Rat	
<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).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

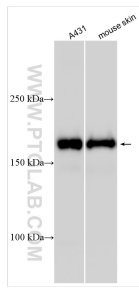
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

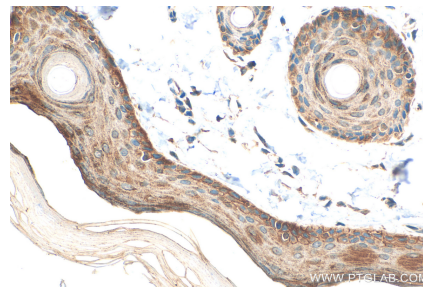
W: [ptgcn.com](http://ptgcn.com)

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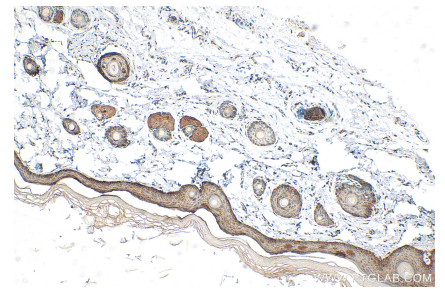
## Selected Validation Data



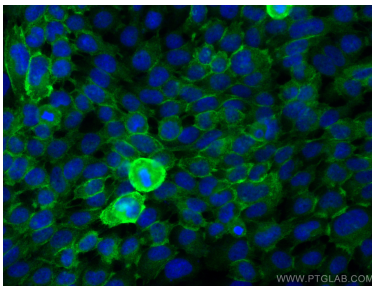
Various lysates were subjected to SDS PAGE followed by western blot with 31190-1-AP (COL17A1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



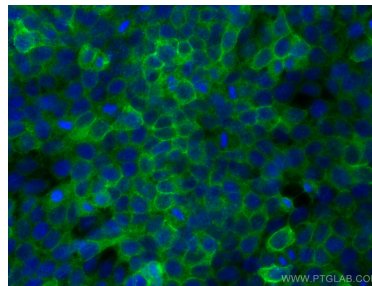
Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 31190-1-AP (COL17A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).