

For Research Use Only

COL17A1 Polyclonal antibody

Catalog Number: 31190-1-AP **1 Publications**



Basic Information

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

Applications

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

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

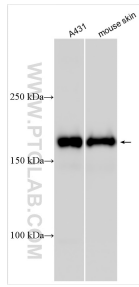
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

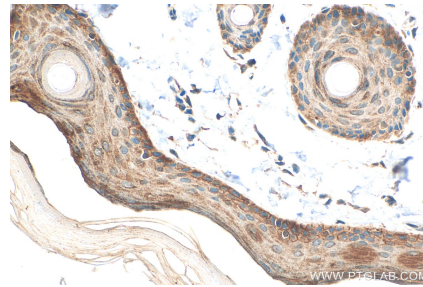
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

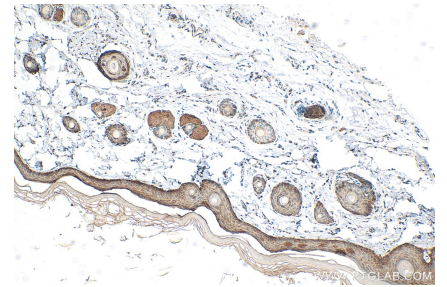
Selected Validation Data



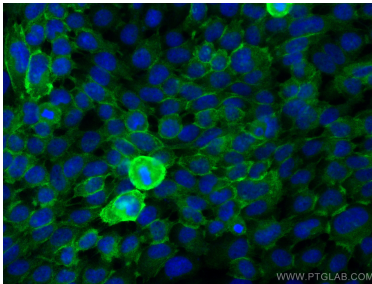
Various lysates were subjected to SDS PAGE followed by western blot with 31190-1-AP (COL17A1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



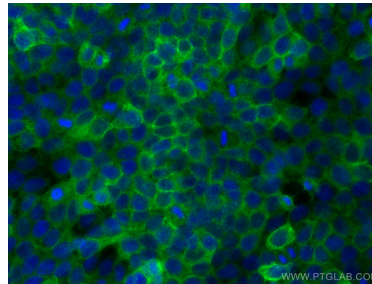
Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 31190-1-AP (COL17A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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 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 Goat Anti-Rabbit IgG(H+L) (SA00013-2).