

For Research Use Only

Collagen Type XVII Polyclonal antibody, PBS Only

Catalog Number: 31190-1-PBS



Basic Information

Catalog Number:

31190-1-PBS

Size:

100ug , Concentration: 1 mg/ml by
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34645

GenBank Accession Number:

BC168368

GeneID (NCBI):

1308

UNIPROT ID:

Q9UMD9

Full Name:

collagen, type XVII, alpha 1

Observed MW:

180 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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 -80°C.

Storage Buffer:

PBS only

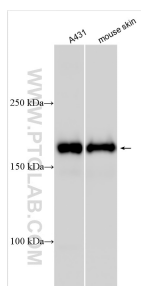
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

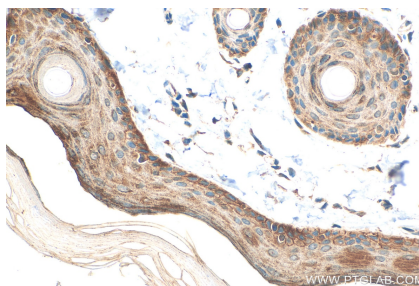
E: proteintech@ptglab.com
W: ptglab.com

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

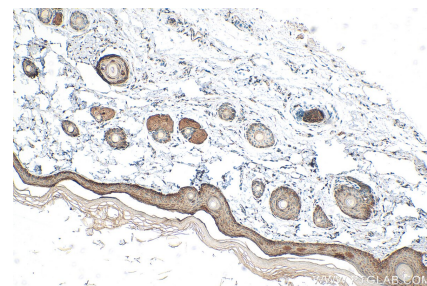
Selected Validation Data



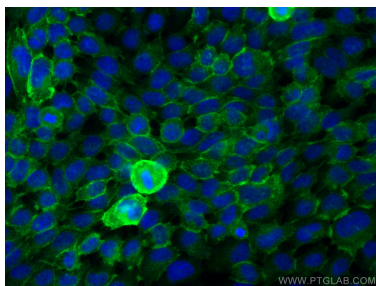
Various lysates were subjected to SDS PAGE followed by western blot with 31190-1-AP (COL17A1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31190-1-PBS in a different storage buffer formulation.



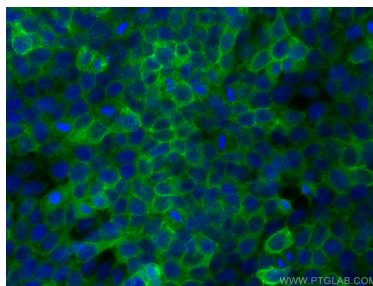
Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 31190-1-AP (COL17A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31190-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31190-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31190-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31190-1-PBS in a different storage buffer formulation.