

For Research Use Only

Collagen Type XVII 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
Concentration: 450 ug/ml	GeneID (NCBI): 1308	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: Q9UMD9	IHC 1:50-1:500 IF/ICC 1:200-1:800
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:
Cited Applications: IHC	WB : A431 cells, mouse skin tissue
Species Specificity: human, mouse, rat	IHC : rat skin tissue,
Cited Species: mouse	IF/ICC : A431 cells, HaCaT cells

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

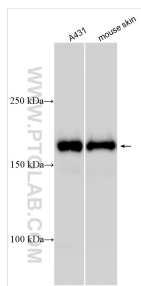
Storage

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

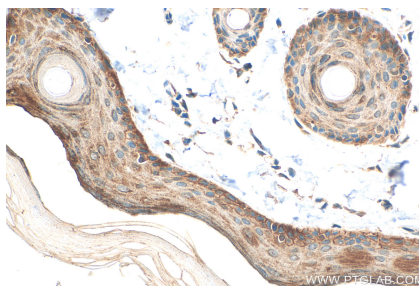
For technical support and original validation data for this product please contact:
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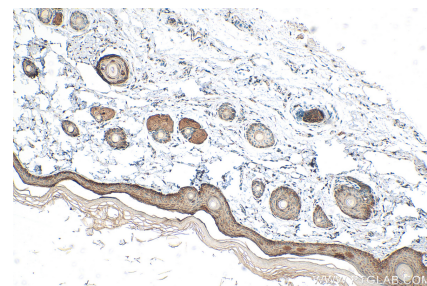
Selected Validation Data



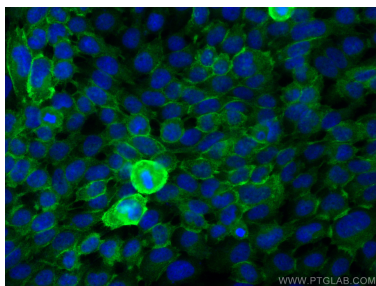
Various lysates were subjected to SDS PAGE followed by western blot with 31190-1-AP (COL17A1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



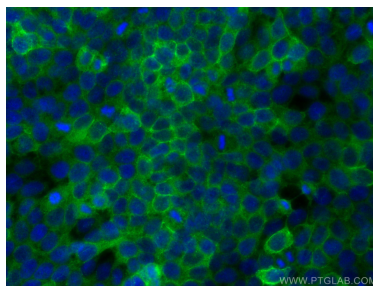
Immunohistochemical analysis of paraffin-embedded rat skin tissue slide using 31190-1-AP (COL17A1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).