

COL17A1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9099c

Specification

COL17A1 Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O9UMD9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	475-504

COL17A1 Antibody (Center) - Additional Information

Gene ID 1308

Other Names

Collagen alpha-1(XVII) chain, 180 kDa bullous pemphigoid antigen 2, Bullous pemphigoid antigen 2, 120 kDa linear IgA disease antigen, 120 kDa linear IgA dermatosis antigen, Linear IgA disease antigen 1, LAD-1, 97 kDa linear IgA disease antigen, 97 kDa linear IgA bullous dermatosis antigen, 97 kDa LAD antigen, 97-LAD, Linear IgA bullous disease antigen of 97 kDa, LABD97, COL17A1, BP180, BPAG2

Target/Specificity

This COL17A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 475-504 amino acids from the Central region of human COL17A1.

Dilution

WB~~1:2000
IHC-P~~N/A
FC~~1:25
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

COL17A1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

COL17A1 Antibody (Center) - Protein Information

Name COL17A1

Synonyms BP180, BPAG2

Function May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane.

Cellular Location

Cell junction, hemidesmosome. Membrane; Single- pass type II membrane protein. Note=Localized along the plasma membrane of the hemidesmosome [97 kDa linear IgA disease antigen]: Secreted, extracellular space, extracellular matrix, basement membrane Note=Localized in the lamina lucida beneath the hemidesmosomes

Tissue Location

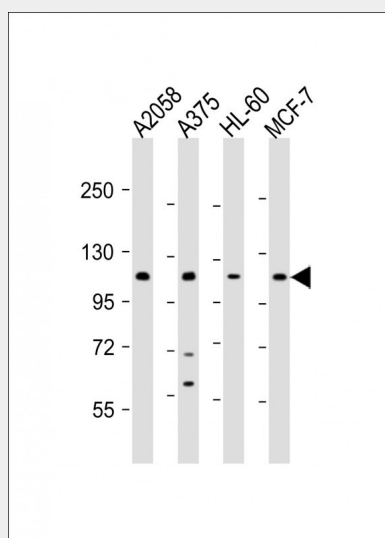
Detected in skin (PubMed:8618013). In the cornea, it is detected in the epithelial basement membrane, the epithelial cells, and at a lower level in stromal cells (at protein level) (PubMed:25676728). Stratified squamous epithelia. Found in hemidesmosomes. Expressed in cornea, oral mucosa, esophagus, intestine, kidney collecting ducts, ureter, bladder, urethra and thymus but is absent in lung, blood vessels, skeletal muscle and nerves

COL17A1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

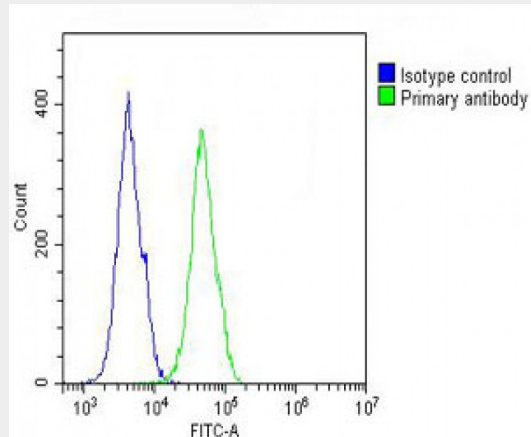
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COL17A1 Antibody (Center) - Images



All lanes : Anti-COL17A1 Antibody (Center) at 1:2000 dilution Lane 1: A2058 whole cell lysate Lane 2: A375 whole cell lysate Lane 3: HL-60 whole cell lysate Lane 4: MCF-7 whole cell lysate

Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 150 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing A431 cells stained with AP9099c (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP9099c, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10, 000 events was performed.

COL17A1 Antibody (Center) - Background

COL17A1 encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane.

COL17A1 Antibody (Center) - References

Di Zenzo,G., et.al., J. Invest. Dermatol. 130 (4), 1040-1047 (2010)
Ujiie,H., et.al., J. Immunol. 184 (4), 2166-2174 (2010)