

**COL17A1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9099c****Specification****COL17A1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9UMD9](#)**COL17A1 Antibody (Center) Blocking Peptide - 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**

The synthetic peptide sequence used to  
generate the antibody <a  
href=/products/AP9099c>AP9099c</a>  
was selected from the Center region of  
human COL17A1. A 10 to 100 fold molar  
excess to antibody is recommended.  
Precise conditions should be optimized for a  
particular assay.

**Format**

Peptides are lyophilized in a solid powder  
format. Peptides can be reconstituted in  
solution using the appropriate buffer as  
needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6  
months. For long term storage store at  
-20°C.

**Precautions**

This product is for research use only. Not  
for use in diagnostic or therapeutic

**COL17A1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)

procedures.

#### **COL17A1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)