

**COL17A1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9099c****Specification**

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**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 [AP9099c](/products/AP9099c) 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 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](#)

**COL17A1 Antibody (Center) Blocking Peptide - Images****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)Ujiiie,H., et.al., J. Immunol. 184 (4), 2166-2174 (2010)