

## Product datasheet for **AP23435PU-S**

### Col17a1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	<b>Immunofluorescence.</b> <b>Immunohistochemistry on Cryosections.</b>
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Mouse COL17A
Specificity:	Recognizes Mouse Collagen type XVII. Other species not tested.
Formulation:	PBS pH 7.4 State: Purified State: Lyophilized purified IgG fraction from Serum
Reconstitution Method:	Restore in aqua bidest to initial volume
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	collagen, type XVII, alpha 1
Database Link:	<a href="#">Entrez Gene 12821 Mouse Q07563</a>



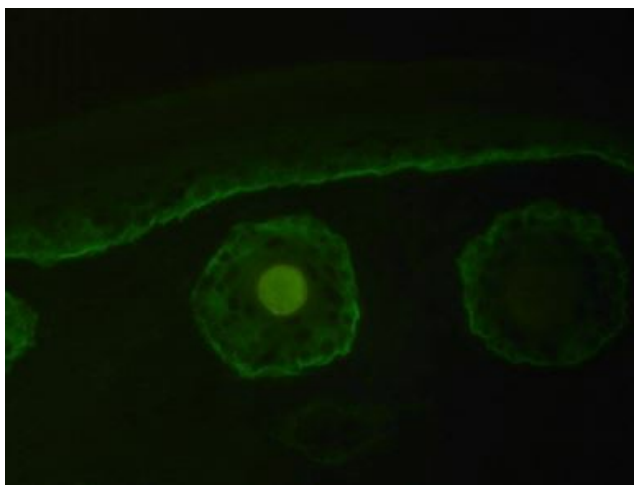
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**Background:**

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. Mutations in the gene coding for collagen XVII are associated with both generalized atrophic benign and junctional epidermolysis bullosa. Two homotrimeric forms of type XVII collagen exist. The full length form is the transmembrane protein. A soluble form, referred to as either ectodomain or LAD 1, is generated by proteolytic processing of the full length form. Two transcript variants, one resulting from alternative splicing in the 3' UTR, have been identified for this gene.

**Synonyms:**

COL17A1, BP180, BPAG2, Bullous pemphigoid antigen 2, LAD-1, LABD97

**Product images:**

Immunofluorescence staining of Collagen type XVII alpha 1 chain with Cat.No. [AP23435PU-N] (1:100) followed by an anti-rabbit FITC conjugated secondary antibody in cryosections of mouse skin.