

Collagen XVII Rabbit mAb

Catalog No: #48631

Package Size: #48631-1 50ul #48631-2 100ul

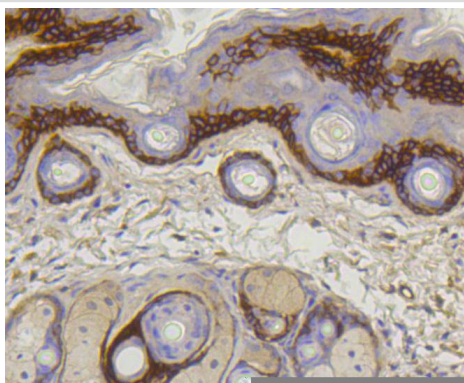
Description

Product Name	Collagen XVII Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SR46-05
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	180 kDa bullous pemphigoid antigen 2 antibody Alpha 1 type XVII collagen antibody BA16H23.2 antibody BP 180 antibody BP180 antibody BPA 2 antibody BPAG 2 antibody BPAG2 antibody Bullous pemphigoid antigen 2 antibody COL17A1 antibody Collagen 17 antibody Collagen alpha 1 XVII chain antibody Collagen alpha 1(XVII) chain antibody Collagen alpha1 XVII chain antibody Collagen type XVII alpha 1 antibody Collagen XVII alpha 1 polypeptide antibody CollagenXVII antibody Epidermolysis bullosa junctional localisata variant antibody FLJ60881 antibody KIAA0204 antibody LAD 1 antibody LAD1 antibody
Accession No.	Swiss-Prot#:Q9UMD9
Calculated MW	130/180 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

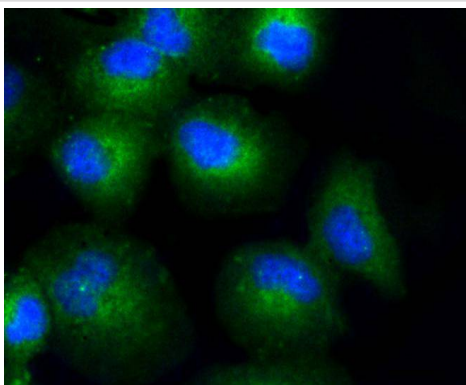
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200ICC: 1:50-1:200

Images



Immunohistochemical analysis of paraffin-embedded mouse skin tissue using anti-Collagen XVII antibody. Counter stained with hematoxylin.



ICC staining Collagen XVII in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The extensive collagen family comprises several chain types, including fibril-forming interstitial collagens and basement membrane collagens, with each type containing multiple isoforms. Products of the COL gene family, collagens are characterized as fibrous, extracellular matrix proteins with high tensile strength that constitute the major components of connective tissues, such as tendons and cartilage. All collagens contain a triple helix domain and frequently show lateral self-association in order to form complex connective tissues. Collagen Type XVII, also designated BP180, represents a type II transmembrane, epithelial adhesion molecule that plays a role in cell migration and differentiation. The full length Collagen Type XVII protein is expressed in hemidesmosomes of keratinocytes. Proteolytic shedding of Collagen Type XVII results in a species in the extracellular matrix, and this process may be mediated by a disintegrin and metalloprotease (ADAM) family member. The BPAG2 gene, which encodes the Collagen Type XVII protein, maps to human chromosome 10q25.1. Mutations in this gene result in Bullous pemphigoid, an inflammatory subepidermal blistering skin disease associated with an IgG autoimmune response to Collagen Type XVII.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.