ARG59475
anti-Collagen XVII antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Collagen XVII
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Collagen XVII
Species	Human
Immunogen	Synthetic peptide of Human Collagen XVII.
Conjugation	Un-conjugated
Alternate Names	ERED; BP180; BPA-2; BPAG2; LAD-1; BA16H23.2; Collagen alpha-1(XVII) chain; 180 kDa bullous pemphigoid antigen 2; Bullous pemphigoid antigen 2; 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

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
IP	1:30
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Human skin

Properties

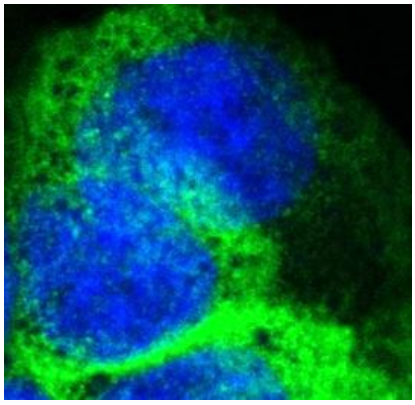
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

	cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

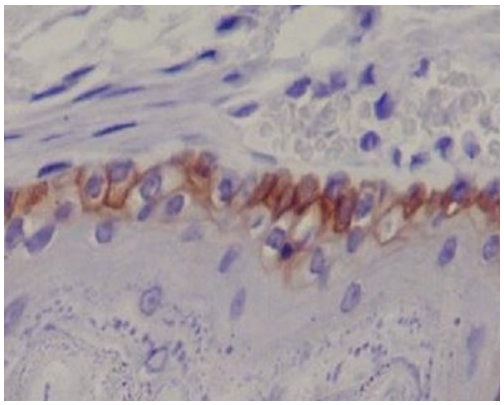
Gene Symbol	COL17A1
Gene Full Name	collagen, type XVII, alpha 1
Background	This gene encodes the alpha chain of type XVII collagen. Unlike most collagens, collagen XVII is a transmembrane protein. Collagen XVII is a structural component of hemidesmosomes, multiprotein complexes at the dermal-epidermal basement membrane zone that mediate adhesion of keratinocytes to the underlying membrane. Mutations in this gene 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. [provided by RefSeq, Jul 2008]
Function	May play a role in the integrity of hemidesmosome and the attachment of basal keratinocytes to the underlying basement membrane. The 120 kDa linear IgA disease antigen is an anchoring filament component involved in dermal-epidermal cohesion. Is the target of linear IgA bullous dermatosis autoantibodies. [UniProt]
Calculated Mw	150 kDa
PTM	The intracellular/endo domain is disulfide-linked. Prolines at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in some or all of the chains. The ectodomain is shedded from the surface of keratinocytes resulting in a 120-kDa soluble form, also named as 120 kDa linear IgA disease antigen. The shedding is mediated by membrane-bound metalloproteases. This cleavage is inhibited by phosphorylation at Ser-544. [UniProt]
Cellular Localization	Cell junction, hemidesmosome. Membrane; Single-pass type II membrane protein. Note=Localized along the plasma membrane of the hemidesmosome. 120 kDa linear IgA disease antigen: Secreted, extracellular space, extracellular matrix, basement membrane. Note=Exclusively localized to anchoring filaments. Localized to the epidermal side of split skin. 97 kDa linear IgA disease antigen: Secreted, extracellular space, extracellular matrix, basement membrane. [UniProt]

Images



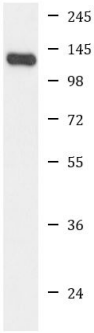
ARG59475 anti-Collagen XVII antibody ICC/IF image

Immunofluorescence: A431 cells stained with ARG59475 anti-Collagen XVII antibody.



ARG59475 anti-Collagen XVII antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse skin stained with ARG59475 anti-Collagen XVII antibody.



Human skin

ARG59475 anti-Collagen XVII antibody WB image

Western blot: Human skin lysate stained with ARG59475 anti-Collagen XVII antibody.