Mouse Collagen XVII Monoclonal Antibody | anti-COL17A1 antibody

Collagen XVII Mouse Monoclonal Antibody (NC16a-3)

CATALOG #	HOST	APPLICATIONS
AAA14613	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence**

PRODUCT SYNONYMS

Collagen XVII; Monoclonal Antibody; Collagen XVII Mouse Monoclonal Antibody (NC16a-3); Collagen alpha-1 (XVII) chain; 180 kDa bullous pemphigoid antigen 2; Bullous pemphigoid antigen 2; BP180; BPAG2; anti-COL17A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	NC16a-3
Specificity	The antibody recognizes the NC16a domain (aa545-557)
Form/Format	Purified with protein G, stored in PBS pH 7.4 and lyophilized.
Applicable Applications for anti-COL17A1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	If reconstituted with deionized water in 250 uL: WB 1:1000; IHC-P: 1:40. Optimal dilution has to be determined by the user
Preservative	None
Target	Collagen XVII
Target Alias	Collagen alpha-1(XVII) chain, 180 kDa bullous pemphigoid antigen 2, Bullous pemphigoid antigen 2, COL17A1, BP180, BPAG2
Immunogen	Purified recombinant NC16a-domain of collagen XVII
Preparation and Storage	Lyophilized antibodies can be kept at 4ºC for up to 3 months and should be kept at -20ºC for long-term storage (2 years). To avoid freeze-thaw cycles, reconstituted antibodies should be aliquoted before freezing for long-term (1 year) storage (-80ºC) or kept at 4ºC for short-term usage (2 months). For maximum recovery of product, centrifuge the original vial prior to removing the cap. Further dilutions can be made with the assay buffer. After the maximum long-term storage period (2 years lyophilized or 1 year reconstituted) antibodies should be tested in your assay with a standard sample to verify if you have noticed any decrease in their efficacy. To limit antibody loss or degradation, BSA (final concentration 1%) and sodium azide (final concentration 0.02%) can be added to the suggested first dilution. It is important to first verify if those preservatives are compatible with your assay.

IMAGES



WB (Western Blot)
NCl6a-3 detects collagen XVII and lis 120kDa shed ectodomain by western blotting with keralJnocyte extract (E) and keratinocyte medium (M) respectively



Application Data
Cryosections of normal human skin and from patients with inherited skin-blistering disorders and absence of collagen XVII or laminin 5 were stained with mAb NC16a-3 and a rabbit antHamlnin 5 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-COL17A1 antibody	Collagen XVII is a member of the transmembrane collagen family of proteins. It is a major structural component of the hemidesmosome (HD) playing an important role in its integrity. HD is a specialized multiprotein complex involved in the attachment of basal keratinocytes to the underlying basement membrane.
References	1. Hofmann SC-Plasmin plays a role in the in vitro generation of the linear IgA dermatosis antigen LADB97. 2. Seppanen A-Distribution of collagen XVII in the human brain. 3. Seppanen A-Expression of collagen XVII and ubiquitin-binding protein p62 in motor neuron disease.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/collagen-xvii-antibody-clone-nc16a-3-western-blot-immunohistochemistry-immunofluorescence-elisa/14613