

Data Sheet

HUMAN TYPE XVII COLLAGEN (aa 507-548)

ANTIBODY, POLYCLONAL

Catalog no.:	AL1001.3 / AL1001.4
Immunogen:	Recombinant human type XVII collagen (aa 507-548) GST fusion protein
Synonyms:	Bullous pemphigoid antigen 2, 180 kDa bullous pemphigoid antigen 2
Swiss-Prot No:	Q9UMD9
Gene Information:	Gene Name: COL17A1, BP180, BPAG2 GeneID: 1308
Host:	Rabbit
Matrix:	IgG, Protein G purified from serum; 50 mM Tris pH 7.4.
Specificity:	Human type XVII collagen
Contents:	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl aqua bidest.
Known applications:	ELISA (1:5000), Western Blot (1:500) ² , immunohistochemistry (cryosections, 1:100), immunocytochemistry ³

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions/concentrations in their system using appropriate negative/positive controls.

Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided
------------------	--

References:	<ol style="list-style-type: none"> 1. Sitaru C, Schmidt E, Petermann S, Munteanu LS, Brocker EB, Zillikens D (2002). Autoantibodies to bullous pemphigoid antigen 180 induce dermal-epidermal separation in cryosections of human skin. <i>J Invest Dermatol.</i> 118:664-71. 2. Hirako Y, Yoshino K, Zillikens D, Owaribe K (2003). Extracellular cleavage of bullous pemphigoid antigen 180/type XVII collagen and its involvement in hemidesmosomal disassembly. <i>J Biochem</i> 133(2): 197-206. 3. Hirako Y, Nishizawa Y, Sitaru C, Opitz A, Marcus K, Meyer HE, Butt E, Owaribe K, Zillikens D (2003). The 97-kDa (LABD97) and 120-kDa (LAD-1) fragments of bullous pemphigoid antigen 180/type XVII collagen have different N-termini. <i>J Invest Dermatol.</i> 121:1554-6.
--------------------	--

Last updated on:	27 April 2022
-------------------------	---------------

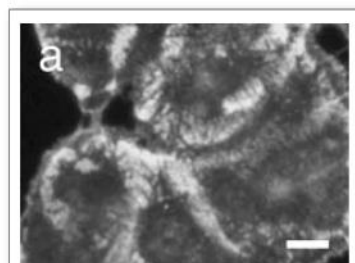
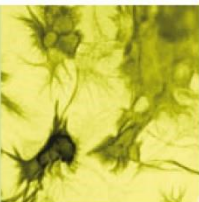


Figure 1: Immunocytochemistry image of Collagen XVII staining in cultured human skin squamous carcinoma DJM-1 cells. The cells were grown on glass slides, fixed in 4% paraformaldehyde and incubated with AL1001. AL1001 stains Collagen XVII at hemidesmosomes. Scale bar = 10 µm.

Hirako Y et al. (2003)
J Biochem **133**(2):197-206



Antibodies



For research use only

Publishing research using AL1001? Please let us know so that we can cite your publication as a reference.



Immundiagnostik AG

Stubenwald-Allee 8a · 64625 Bensheim · Germany

Phone: +49 6251 70190-0 · Fax: +49 6251 70190-363 · dept.immunochemicals@immundiagnostik.com · www.immundiagnostik.com