

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 GenelD: 1308
Host:	Rabbit
Matrix:	IgG fraction, Protein G purified from serum
Specificity:	Human type XVII collagen (aa 507-548)
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), immunocytochemistry³

This antibody has not been tested for use in all applications. This does not necessarily exclude its use for non-tested procedures. The stated dilutions are recommendations only. We suggest that the applicant titrates the antibody in his/her system using appropriate negative/positive controls.

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

References:

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. *J Invest Dermatol.* **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. *J Biochem* **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. *J Invest Dermatol.* **121**:1554-6.

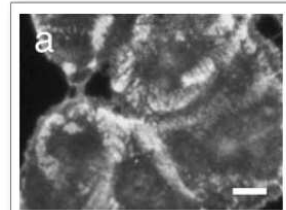


Figure 1: Immunocytochemistry image of Collagen XVII staining in cultured human skin squamous carcinoma DJM-1 cells. The cells were grown on glass slides, fixed in 4% paraformaldehyde and incubated with AL1001. AL1001 stains Collagen XVII at hemidesmosomes. Scale bar = 10 µm.

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

For research use only



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