



Anti BPAG1 (BP230) monoclonal antibody

Product type	Primary Antibodies
Immunogen	Native BP230 from bovine cornea
Clone number	279
Isotype	IgG1, kappa
Purity	Cell culture supernatant
Host	Mouse
Formulation	Hybridoma supernatant with 0.02% NaN ₃ as a preservative.
Volume	500ul
Label	Unlabeled
Specificity	BPAG1 (BP230)
Cross reactivity	Human, Mouse, Rat, Rabbit, Bovine, Porcine
Storage	Store below -20°C (below -70°C for prolonged storage). Repeated freeze-thaw cycles can damage the immunoreactivity of an antibody.

Application notes

Recommended use WB, IF, IP

Not tested yet in other applications

Recommended Western Blot: 1:50 for starting dilution.

dilutions Immunofluorescence: 1:50–1:200 for staining of acetone-fixed cryostat frozen tissue sections. Frozen sections were prepared as described previously (ref. 3).

Optimal concentrations/dilutions should be determined by the end user.

References

- (1) Hirako Y., et al. Exp. Cell Res., 324:172-182 (2014)
- (2) Okumura M., et al. J Biol Chem., 277:6682-6687 (2002)
- (3) Hirako Y., et al. J. Biol. Chem., 273:9711-9717 (1998)

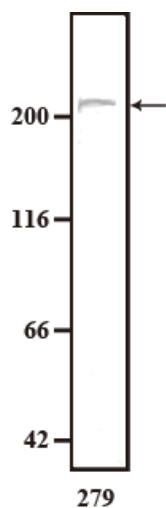


Fig.1 Western blot analysis

Whole cell lysate prepared from DJM-1 cells was immunoblotted with 279 at 1:100 dilution.

279 antibody recognized BPAG1 (Bullous Pemphigoid antigen 1) as a band at approximately 230 kDa (arrow).

Fig.2 Immunofluorescence microscopy of human skin

Human skin was stained by 279 antibody (1:50), showing that BPAG1 localized at the dermal-epidermal junction (green). Bar: 40 μ m.

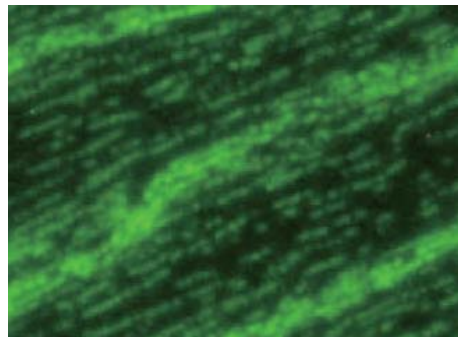
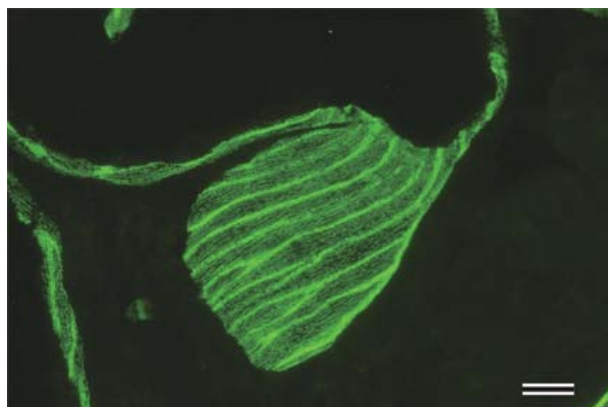
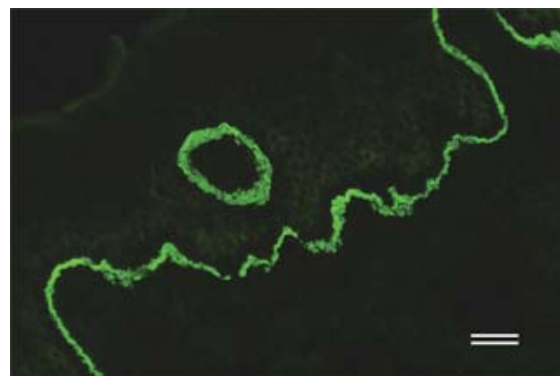


Fig.3 Immunofluorescence microscopy of bovine skin

Bovine skin was stained by 279 antibody (1:50 dilution).

Myoepithelial cells of skin apocrine glands were demonstrated to have BPAG1 (left panel, green). The close-up image (right) shows dotted lines of hemidesmosomes, which are cell to substrate adhesion structures containing BPAG1. Scale bar: 20 μ m.

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