



## Anti laminin $\gamma$ 2 chain monoclonal antibody

<b>Product type</b>	Primary Antibodies
<b>Immunogen</b>	Basement membrane isolated from bovine cornea.
<b>Clone number</b>	YN557
<b>Isotype</b>	IgG1
<b>Host</b>	Mouse
<b>Formulation</b>	Hybridoma supernatant with 0.02% NaN <sub>3</sub> as a preservative.
<b>Volume</b>	500ul
<b>Label</b>	Unlabeled
<b>Specificity</b>	laminin $\gamma$ 2 chain
<b>Cross reactivity</b>	Human, bovine
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ or $-70^{\circ}\text{C}$ in small aliquots 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 dilutions** Western Blot: 1:20–1:100 for detection of 105 and 150-kDa polypeptides in keratinocyte conditioned culture medium.

Immunofluorescence: 1:50–1:250 for staining of acetone-fixed cryostat frozen tissue sections.

Optimal dilutions must be determined by end user.

### References

(1) Hirako Y., et al. Exp. Cell Res., 324:172-182 (2014)

(2) Hirako Y., et al. J. Biol. Chem. 273:9711-9717 (1998)

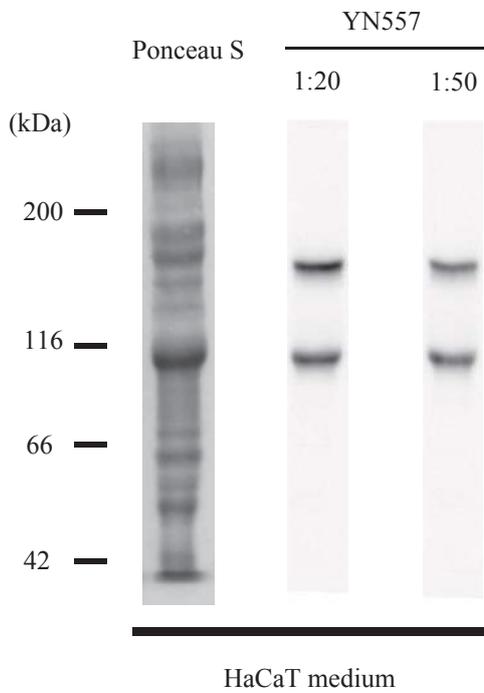


Fig.1 Western blot analysis

Concentrated conditioned medium prepared from HaCaT cells was immunoblotted with YN557 antibody (1:20 and 1:50 dilutions). YN557 antibody detected 105-kDa and 155 kDa bands for processed and non-processed form of laminin gamma 2, respectively (ref. 1). Conditioned medium was concentrated by ammonia sulfate precipitation as described previously (ref. 2).

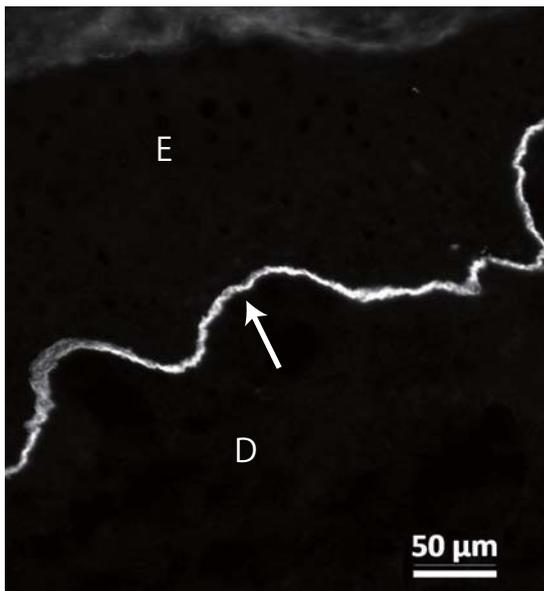


Fig.2 Immunofluorescence microscopy of human skin  
A human skin section was stained with YN557 antibody at 1:200 dilution. The antibody revealed the location of laminin gamma 2 chain at the dermal-epidermal junction (arrow). Frozen sections were prepared as described previously (ref. 2). E: epidermis, D: dermis. Bar = 50 um.

For research use only, Not for diagnostic use.



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