Antibodies

Data Sheet

HUMAN LAMININ 5

ANTIBODY, PURIFIED IgG, POLYCLONAL

Catalog no.: AP1002.3 / AP1002.4

Immunogen: Human Laminin 5; Laminin 5 consists of three chains: α3, β3 and γ2

Synonyms: Laminin 332, Epiligrin, Kalinin, Nicein

Swiss-Prot No: Q16787, Q13751 and Q13753

Gene Information: Gene names: LAMA3, LAMB3 and LAMC2

GeneID´s: 3909, 3914 and 3918

Host: Rabbit

Matrix: IgG, Protein G purified from serum; PBS

Specificity: Human total Laminin 5, mouse, rat, and bovine Laminin 5

Contents: 10 µg / 100 µg (lyophilized)

Resuspend in 10 µl/100 µl aqua bidest.

Known applications: Western Blot[1, 2, 5, 7], immunoprecipitation[3], immunohistochemistry (cryosections, methanol-fixed, 1.5-3 µg/ml)[3, 4, 6, 7, 8], immunocytochemistry[5, 7]

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

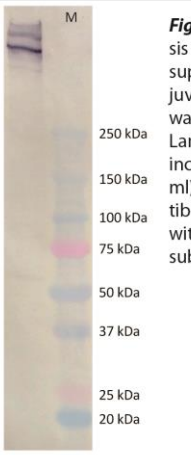

Figure 1: Western Blot analysis of Laminin 5. Cell culture supernatant (12 µl) of human juvenile foreskin keratinocytes was separated by SDS-PAGE. Laminin 5 was detected by incubation with AP1002 (5 µg/ml) for 2h and a secondary antibody coupled to peroxidase with Opti-4CN (Bio-Rad) as the substrate.

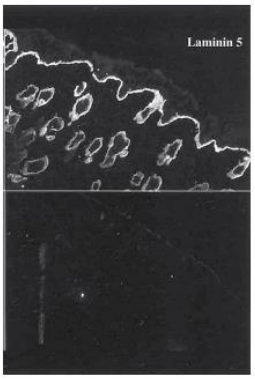

Figure 2: Immunohistochemistry image of Laminin 5 staining in cryosection of fetal calf skin. AP1002 stains the basal keratinocytes and the outer root sheath cells of hair follicles (upper panel); preimmune serum (lower panel).

Amano S et al. (2000) J Biol Chem Vol 275 No. 30: 22728–22735

References:

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3. Amano S, Scott IC, Takahara K, Koch M, Champliaud MF, Gerecke DR, Keene DR, Hudson DL, Nishiyama T, Lee S, Greenspan DS, Burgeson RE (2000). Bone morphogenetic protein 1 is an extracellular processing enzyme of the laminin 5 gamma 2 chain. *J Biol Chem* **275**(30): 22728-22735.

Immundiagnostik AG
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com

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Last updated on: 19 October 2018

For research use only

Publishing research using AP1002? Please let us know so that we can cite your publication as a reference.

Immundiagnostik AG
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com