

Laminin β -2 (22): sc-135967

BACKGROUND

The laminins comprise a growing family of disulfide-linked heterotrimers consisting of three genetically distinct polypeptide chains, designated α , β and γ . A major component of the basal lamina, laminins play a crucial role in providing a scaffolding upon which tissues are assembled and which serves as a physical barrier separating specialized tissues. During embryogenesis and early development, cells migrate along basement membranes, which are required for the polarization of cells. The β -2 Laminin chain plays a role in melanoma spread, promoting tumor migration along the abluminal surface of a vessel, a phenomenon which has been termed extra-vascular migratory metastasis.

REFERENCES

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9. Libby, R.T., Lavalley, C.R., Balkema, G.W., Brunken, W.J. and Hunter, D.D. 1999. Disruption of Laminin β -2 chain production causes alterations in morphology and function in the CNS. *J. Neurosci.* 19: 9399-9411.

CHROMOSOMAL LOCATION

Genetic locus: LAMB2 (human) mapping to 3p21.31; Lamb2 (mouse) mapping to 9 F2.

SOURCE

Laminin β -2 (22) is a mouse monoclonal antibody raised against amino acids 506-691 of Laminin β -2 of human origin.

RESEARCH USE

For research use only, not for use in diagnostic procedures. Not for resale

PRODUCT

Each vial contains 50 μ g IgG₁ in 0.5 ml of PBS with < 0.1% sodium azide, 0.1% gelatin, 20% glycerol and 0.04% stabilizer protein.

APPLICATIONS

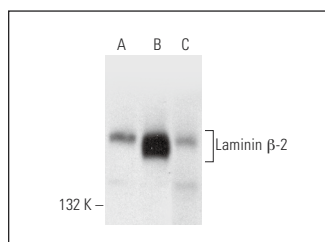
Laminin β -2 (22) is recommended for detection of Laminin β -2 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for Laminin β -2 siRNA (h): sc-35784, Laminin β -2 siRNA (m): sc-35785, Laminin β -2 shRNA Plasmid (h): sc-35784-SH, Laminin β -2 shRNA Plasmid (m): sc-35785-SH, Laminin β -2 shRNA (h) Lentiviral Particles: sc-35784-V and Laminin β -2 shRNA (m) Lentiviral Particles: sc-35785-V.

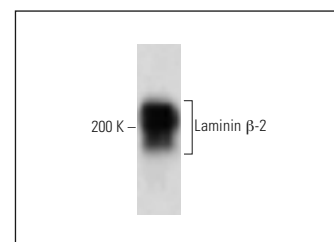
Molecular Weight of Laminin β -2: 200 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227, HT-1080 whole cell lysate: sc-364183 or DU 145 cell lysate: sc-2268.

DATA



Laminin β -2 (22): sc-135967. Western blot analysis of Laminin β -2 expression in LNCaP (A), HT-1080 (B) and DU 145 (C) whole cell lysates.



Laminin β -2 (22): sc-135967. Western blot analysis of Laminin β -2 expression in Hep G2 whole cell lysate.

SELECT PRODUCT CITATIONS

1. You, H., Shang, W., Min, X., Weinreb, J., Li, Q., Leapman, M., Wang, L. and Tian, J. 2020. Sight and switch off: nerve density visualization for interventions targeting nerves in prostate cancer. *Sci. Adv.* 6: eaax6040.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.