SANTA CRUZ BIOTECHNOLOGY, INC.

Laminin β-2 (m): 293T Lysate: sc-121282

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 Laminin β-2 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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CHROMOSOMAL LOCATION

Genetic locus: Lamb2 (mouse) mapping to 9 F2.

PRODUCT

Laminin β-2 (m): 293T Lysate represents a lysate of mouse Laminin β-2 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

Laminin β-2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Laminin β-2 antibodies. Recommended use: 10-20 µl per lane.

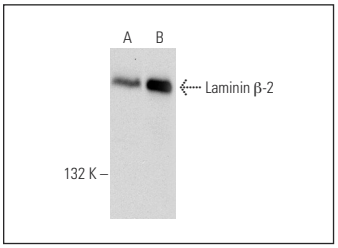
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Laminin β-2 (C4): sc-59980 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse Laminin β-2 expression in Laminin β-2 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



Laminin β-2 (C4): sc-59980. Western blot analysis of Laminin β-2 expression in non-transfected: sc-117752 (**A**) and mouse Laminin β-2 transfected: sc-121282 (**B**) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

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

PROTOCOLS

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