

Laminin β -2 (A-16): sc-30975

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 vessel, a phenomenon which has been termed extra-vascular migratory metastasis.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LAMB2 (human) mapping to 3p21; Lamb2 (mouse) mapping to 9 F1.

SOURCE

Laminin β -2 (A-16) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of Laminin β -2 of human origin.

STORAGE

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

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-30975 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Laminin β -2 (A-16) 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), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

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: HeLa whole cell lysate: sc-2200.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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

PROTOCOLS

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


 MONOS
 Satisfaction
 Guaranteed

Try **Laminin β -2 (C4): sc-59980** or **Laminin β -2 (H-1): sc-133241**, our highly recommended monoclonal alternatives to Laminin β -2 (A-16).