Laminin β -2 (C-20): sc-7650



The Power to Question

BACKGROUND

The Laminins comprise a growing family of disulfide-linked heterotrimers consisting of three genetically distinct polypeptide chains, designated $\alpha,\,\beta$ and $\gamma.$ 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 $\beta-2$ 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 (C-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at 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 μg lgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-7650 P, ($100 \mu g$ peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Laminin β -2 (C-20) 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).

Laminin β -2 (C-20) is also recommended for detection of Laminin β -2 in additional species, including equine, canine and bovine.

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, DU 145 cell lysate: sc-2268 or LNCaP cell lysate: sc-2231.

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) 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.



Try Laminin β -2 (C4): sc-59980 or Laminin β -2 (H-1): sc-133241, our highly recommended monoclonal alternatives to Laminin β -2 (C-20).