SANTA CRUZ BIOTECHNOLOGY, INC.

Laminin-5 (6F12): sc-73519

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Laminin-5 is a glycoprotein complex of three subunits (Laminin α-3, β-3 and γ-2) that influences cell adhesion (metastasis), signal transduction and keratinocyte differentiation. Laminin-5 localizes to the basal lamina underneath epithelia and mediates the anchoring of basal epithelial cells to the extracellular matrix (ECM). Differential processing of the subunits of the Laminin-5 precursor influences how this protein integrates into the ECM architecture.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LAMA5 (human) mapping to 20q13.2-q13.3.

SOURCE

Laminin-5 (6F12) is a mouse monoclonal antibody raised against Laminin-5 β3 chain of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

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

APPLICATIONS

Laminin-5 (6F12) is recommended for detection of Laminin-5 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Suitable for use as control antibody for Laminin-5 siRNA (h): sc-35788.

Molecular Weight of Laminin-5: 170 kDa.

Positive Controls: A-431 whole cell lysate: sc-2201.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (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.

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.