

# Laminin $\beta$ -3 (h2): 293T Lysate: sc-177459

## 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. At least eight Laminin isoforms have been described:  $\alpha$ -1,  $\alpha$ -2,  $\alpha$ -3,  $\beta$ -1,  $\beta$ -2,  $\beta$ -3,  $\gamma$ -1 and  $\gamma$ -2. Each isoform differs in the relative affinity with which it associates with individual Laminin receptors.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: LAMB3 (human) mapping to 1q32.2.

## PRODUCT

Laminin  $\beta$ -3 (h2): 293T Lysate represents a lysate of human Laminin  $\beta$ -3 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## 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.

## APPLICATIONS

Laminin  $\beta$ -3 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive Laminin  $\beta$ -3 antibodies. Recommended use: 10-20  $\mu$ l per lane.

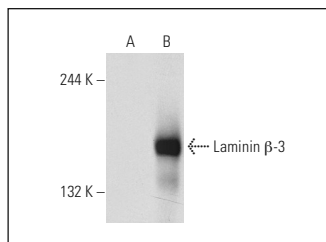
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Laminin  $\beta$ -3 (A-6): sc-133178 is recommended as a positive control antibody for Western Blot analysis of enhanced human Laminin  $\beta$ -3 expression in Laminin  $\beta$ -3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

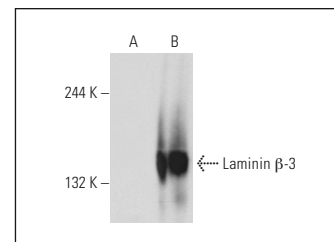
## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:  
1) Western Blotting: use m-IgG $\kappa$  BP-HRP: sc-516102 or m-IgG $\kappa$  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  $\beta$ -3 (A-6): sc-133178. Western blot analysis of Laminin  $\beta$ -3 expression in non-transfected: sc-117752 (A) and human Laminin  $\beta$ -3 transfected: sc-177459 (B) 293T whole cell lysates.



Laminin  $\beta$ -3 (17): sc-135968. Western blot analysis of Laminin  $\beta$ -3 expression in non-transfected: sc-117752 (A) and human Laminin  $\beta$ -3 transfected: sc-177459 (B) 293T whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.