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LI-cadherin (m): 293T Lysate: sc-125545

BACKGROUND

The cadherins are a family of Ca²⁺-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Cadherins each contain a large extracellular domain at the amino-terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short carboxy-terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including β -catenin, to regulate cadherin function. LI-cadherin (for liver-intestine-cadherin) expression is restricted to liver and intestine tissues and is specifically localized to the basolateral domain of hepatocytes and enterocytes.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Cdh17 (mouse) mapping to 4 A1.

PRODUCT

LI-cadherin (m): 293T Lysate represents a lysate of mouse LI-cadherin transfected 293T cells and is provided as 100 μ g protein in 200 μ 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.

RESEARCH USE

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

APPLICATIONS

LI-cadherin (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive LI-cadherin antibodies. Recommended use: 10-20 μ l per lane.

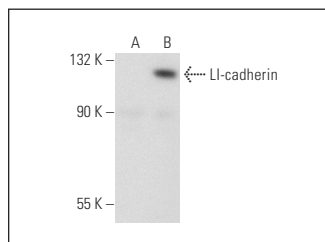
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

LI-cadherin (CAEX3): sc-74209 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse LI-cadherin expression in LI-cadherin 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 κ BP-HRP: sc-516102 or m-IgG κ 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



LI-cadherin (CAEX3): sc-74209. Western blot analysis of LI-cadherin expression in non-transfected: sc-117752 (A) and mouse LI-cadherin transfected: sc-125545 (B) 293T whole cell lysates.

PROTOCOLS

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