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Zuschläge

- Mindermengenzuschlag
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- Expressversand

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vezatin (h): 293T Lysate: sc-117118

BACKGROUND

Vezatin is a single transmembrane domain containing mammalian adhesion protein that is ubiquitously expressed at adherens cell-cell junctions. Adherens junctions (zonula adherens) are cell-cell junctions that host microfilaments and/or intermediate filaments, which can coordinate with focal adhesion proteins and mediate tissue organization and morphogenesis. Vezatin interacts with Actin filamentous networks and anchors myosin VIIA to cadherin complexes, thereby creating a network between adherens junctions and the Actin cytoskeleton. This may enhance cell-cell adhesion characteristics and influence cadherin-based signals. Vezatin is concentrated in the fibrillar links interconnecting the bases of adjacent stereocilia in the inner ear sensory hair cells and may mediate proper positioning of hair cell stereocilia. Loss of a functional vezatin-myosin VIIA complex at both the adherent junctions and the base of the stereocilia is likely to account for the splaying out of the stereocilia observed in *Myo7a*^{-/-} animals. Vezatin recruitment to adherens junctions implicates the C-terminal region of α -catenin.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: VEZT (human) mapping to 12q22.

PRODUCT

vezatin (h): 293T Lysate represents a lysate of human vezatin 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.

APPLICATIONS

vezatin (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive vezatin antibodies. Recommended use: 10-20 μ l per lane.

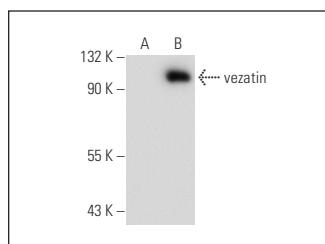
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

vezatin (A-3): sc-271369 is recommended as a positive control antibody for Western Blot analysis of enhanced human vezatin expression in vezatin 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



vezatin (A-3): sc-271369. Western blot analysis of vezatin expression in non-transfected: sc-117752 (A) and human vezatin transfected: sc-117118 (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 for detailed protocols and support products.