

Produktinformation



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Zellkultur & Verbrauchsmaterial
Diagnostik & molekulare Diagnostik
Laborgeräte & Service

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Lieferung & Zahlungsart siehe unsere Liefer- und Versandbedingungen

Zuschläge

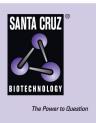
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SANTA CRUZ BIOTECHNOLOGY, INC.

ZO-2 (m): 293T Lysate: sc-124825



BACKGROUND

Tight junctions are complexes of proteins that create intercellular boundaries between the plasma membrane domains of epithelial and endothelial cells. Many of the tight junction-associated proteins are members of the membrane-associated guanylate kinase (MAGUK) family and include occludin, Z0-1, Z0-2 and Z0-3. These proteins are thought to have both structural and signaling roles, and are characteristically defined by three protein-protein interaction modules: the PDZ domain, the SH3 domain and the guanylate kinase (GuK) domain. Z0-1 forms complexes with either Z0-2 or Z0-3. In addition, these proteins can also associate with claudin, Occludin and F-Actin, at tight junction stands, where they provide a linkage between the actin cytoskeleton and the tight junction. Z0-1 expression is significantly reduced in many breast cancer lines. Z0-2 and Z0-3, are ubiquitously expressed within epithelial tight junctions, and unlike Z0-1, which is also expressed at cell junctions of cardiac myocytes, Z0-2 is not expressed in nonepithelial tissue.

REFERENCES

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- 7. Itoh, M., et al. 1999. Characterization of ZO-2 as a MAGUK family member associated with tight as well as adherens junctions with a binding affinity to occludin and α catenin. J. Biol. Chem. 274: 5981-5986.
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CHROMOSOMAL LOCATION

Genetic locus: Tjp2 (mouse) mapping to 19 B.

PRODUCT

ZO-2 (m): 293T Lysate represents a lysate of mouse ZO-2 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

ZO-2 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ZO-2 antibodies. Recommended use: 10-20 μl per lane.

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

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.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.