



Occludin (132-411): sc-4660 WB

BACKGROUND

Diffusion of solutes is prevented across certain barriers by the formation of tight junction seals. Occludin is an integral membrane protein closely associated with the tight junctions of epithelial and endothelial cells. Occludin is a 65 kDa protein that can exist in a variety of phosphorylated forms, ranging up to approximately 82 kDa. This phosphorylation is thought to be involved in regulating both the localization and the function of occludin.

Polyunsaturated fatty acids are known to up-regulate occludin expression, increasing the transendothelial cell resistance and reducing the cellular permeability to large molecules. The level of occludin varies greatly depending on tissue; in brain tissue, occludin is highly and continuously expressed at cell-cell contact sites, whereas non-neural tissues show lower expression and discontinuous distribution.

REFERENCES

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SOURCE

Occludin (132-411) is expressed in *E. coli* as a 58 kDa tagged fusion protein corresponding to amino acids 132-411 of Occludin of human origin.

PRODUCT

Occludin (132-411) is purified from bacterial lysates (>98%) by glutathione agarose affinity chromatography; supplied as 10 µg in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

Occludin (132-411) is suitable as a Western blotting control for sc-5562.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

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