

Anti-Occludin/OCLN Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A01246-2-Fluoro488

About OCLN

Occludin is an integral membrane protein that is located at tight junctions. It is a member of a family of proteins containing the highly conserved Marvel domain, which contains 4 transmembrane-helix regions. This gene is mapped to 5q13.2. Occludin regulates TGF-beta receptor type I localization for efficient TGF-beta-dependent dissolution of tight junctions during epithelial-mesenchymal transitions. Human Occludin is an essential hepatitis C virus (HCV) cell entry factor that is able to render murine cells infectable with HCV glycoproteins. It has been found that occludin is involved in cell migration and functions to recruit active PI3 kinase to the leading edge, resulting in RAC1 activation and formation of lamellipodia.

Overview

Product Name	Anti-Occludin/OCLN Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q16625

Technical Details

Immunogen	E.coli-derived human Occludin/OCLN recombinant protein (Position: H54-K270).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm

Suggested Dilutions

Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: -, Qing-qing Zhang, Ye Yang, Rong-rong Ren, Qing-qing Chen, Jing-jing Wu, Yu-yu Zheng, Xiao-hui Hou, Yu-feng Zhang, Ming-song Xue, Deng-ke Yin, Self-assembled aggregations in *Coptis chinensis* decoction dynamically regulate intestinal tissue permeability through peyer's patch-associated immunity, *Chinese Herbal Medicines*, 2021,, ISSN 1674-6384, <https://doi.org/10.1016/j.chmed.2021.06.004>.

2. PubMed ID: -, Xiaozhu Tian, Rong Li, Yiming Jiang, Fei Zhao, Zhengsheng Yu, Yiqing Wang, Zixing Dong, Pu Liu, Xiangkai Li, *Bifidobacterium breve* ATCC15700 pretreatment prevents alcoholic liver disease through modulating gut microbiota in mice exposed to chronic alcohol intake, *J*

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