

## Anti-Occludin/OCLN Antibody Picoband® Fluoro647 Conjugated

Catalog Number: A01246-4-Fluoro647

### 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® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IP, IHC, 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 <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
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: S358-Q520). Human Occludin/OCLN shares 88.8% and 88.2% amino acid (aa) sequence identity with mouse and rat Occludin/OCLN, respectively.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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