

Anti-Occludin/Ocln Antibody Picoband®

Catalog Number: A01246-3

About Ocln

Occludin is an enzyme (EC 1.6) that oxidizes NADH. Predicted to enable protein domain specific binding activity. Involved in negative regulation of gene expression and tight junction organization. Located in several cellular components, including apical plasma membrane; apicolateral plasma membrane; and bicellular tight junction. Is expressed in several structures, including alimentary system; brain; genitourinary system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in Crohn's disease and pseudo-TORCH syndrome 1. Orthologous to human OCLN (occludin).

Overview

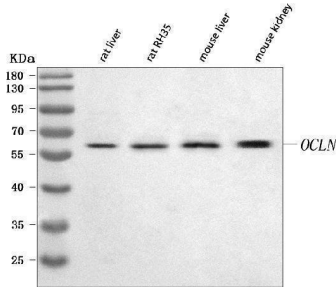
Product Name	Anti-Occludin/Ocln Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Occludin/Ocln Antibody Picoband® catalog # A01246-3. Tested in ELISA, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q61146

Technical Details

Immunogen	E.coli-derived mouse Occludin/Ocln recombinant protein (Position: E7-Y367).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Mouse, Rat ELISA, 0.1-0.5 ug/ml, -

Anti-Occludin/Ocln Antibody Picoband® (A01246-3) Images



Western blot analysis of Occludin/Ocln using anti-Occludin/Ocln antibody (A01246-3). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat liver tissue lysates, Lane 2: rat RH35 whole cell lysates, Lane 3: mouse liver tissue lysates, Lane 4: mouse kidney tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Occludin/Ocln antigen affinity purified polyclonal antibody (Catalog # A01246-3) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Occludin/Ocln at approximately 59 kDa. The expected band size for Occludin/Ocln is at 59 kDa.

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Anti-Occludin/Ocln Antibody

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