

Anti-Zebrafish CLDN2 Antibody Picoband®

Catalog Number: AZA0A8M2BHN3

About CLDN2

Predicted to enable structural molecule activity. Predicted to be involved in bicellular tight junction assembly and cell adhesion. Predicted to be located in anchoring junction and membrane. Predicted to be active in bicellular tight junction and plasma membrane. Is expressed in brain; eye; gonad; immune system; and liver. Human ortholog(s) of this gene implicated in autosomal recessive nonsyndromic deafness 29. Orthologous to several human genes including CLDN14 (claudin 14).

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Overview

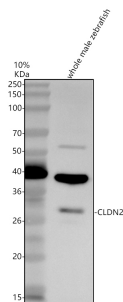
Product Name	Anti-Zebrafish CLDN2 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish CLDN2 Antibody Picoband® catalog # AZA0A8M2BHN3. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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	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	A0A8M2BHN3

Technical Details

Immunogen	E.coli-derived Zebrafish CLDN2 recombinant protein (Position: L180-V270).
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish

Anti-Zebrafish CLDN2 Antibody Picoband® (AZA0A8M2BHN3) Images



Western blot analysis of CLDN2 using anti-CLDN2 antibody (AZA0A8M2BHN3). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: whole male zebrafish 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-CLDN2 antigen affinity purified polyclonal antibody (AZA0A8M2BHN3) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for CLDN2 at approximately 29 kDa. The expected band size for CLDN2 is at 29 kDa.

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For Research Use Only. Not for use in diagnostic procedures.