BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish Cadherin-17/CDH17 Antibody Picoband®

Catalog Number: AZQ90X63

About CDH17

Predicted to enable beta-catenin binding activity and cadherin binding activity. Acts upstream of or within pronephros development. Predicted to be located in plasma membrane. Predicted to be part of catenin complex. Predicted to be active in adherens junction. Is expressed in digestive system; intermediate cell mass of mesoderm; mesoderm; and renal system. Orthologous to human CDH17 (cadherin 17).

Overview

Product Name	Anti-Zebrafish Cadherin-17/CDH17 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish Cadherin-17/CDH17 Antibody Picoband® catalog # AZQ90X63. Tested in WB, IHC, IF 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	IF, IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
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	Q90X63

Technical Details

Immunogen	E.coli-derived Zebrafish Cadherin-17/CDH17 recombinant protein (Position: E195-L868).
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 Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish Immunofluorescence, 2 ug/ml, Zebrafish

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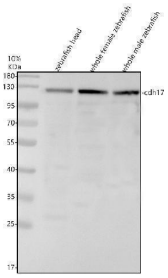
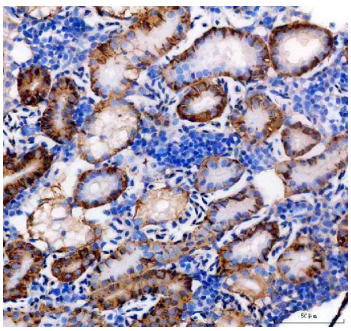
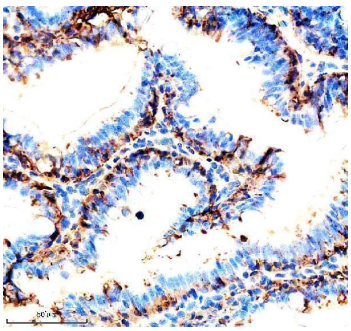
Anti-Zebrafish Cadherin-17/CDH17 Antibody Picoband® (AZQ90X63) Images



Western blot analysis of Cadherin-17/CDH17 using anti-Cadherin-17/CDH17 antibody (AZQ90X63). 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: zebrafish head tissue lysates, Lane 2: whole female zebrafish tissue lysates, Lane 3: 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-Cadherin-17/CDH17 antigen affinity purified polyclonal antibody (AZQ90X63) 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 Cadherin-17/CDH17 at approximately 120 kDa. The expected band size for Cadherin-17/CDH17 is at 96 kDa.



IHC analysis of Cadherin-17/CDH17 using anti-Cadherin-17/CDH17 antibody (AZQ90X63). Cadherin-17/CDH17 was detected in a paraffin-embedded section of zebrafish kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cadherin-17/CDH17 Antibody (AZQ90X63) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Cadherin-17/CDH17 using anti-Cadherin-17/CDH17 antibody (AZQ90X63). Cadherin-17/CDH17 was detected in a paraffin-embedded section of zebrafish colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Cadherin-17/CDH17 Antibody (AZQ90X63) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

IF analysis of Cadherin-17/CDH17 using anti-Cadherin-17/CDH17 antibody (AZQ90X63).

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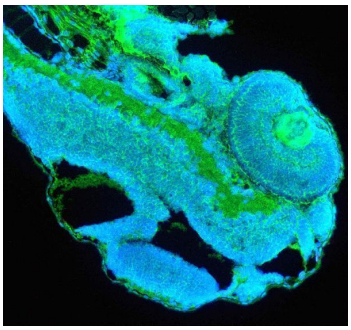

Cadherin-17/CDH17 was detected in a paraffin-embedded section of zebrafish embryo tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-Cadherin-17/CDH17 Antibody (AZQ90X63) overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-Zebrafish Cadherin-17/CDH17 Antibody

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