BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish CORO1A Antibody Picoband®

Catalog Number: AZQ7SX58

About CORO1A

Predicted to enable actin filament binding activity. Acts upstream of or within brain development; central nervous system projection neuron axonogenesis; and eye development. Predicted to be located in cytoplasm. Is expressed in several structures, including ball; endothelial cell; hematopoietic cell; hematopoietic system; and thymus. Human ortholog(s) of this gene implicated in coronin-1A deficiency. Orthologous to human CORO1A (coronin 1A).

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Overview

Product Name	Anti-Zebrafish CORO1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish CORO1A Antibody Picoband® catalog # AZQ7SX58. Tested in WB, IHC 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	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	Q7SX58

Technical Details

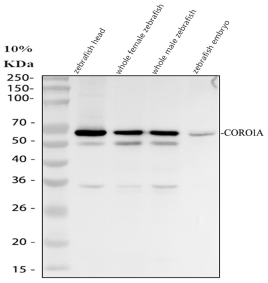
Immunogen	E.coli-derived Zebrafish CORO1A recombinant protein (Position: D26-K455).
Form	Lyophilized

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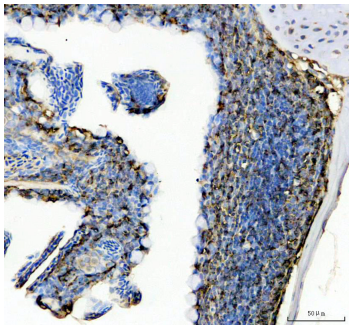
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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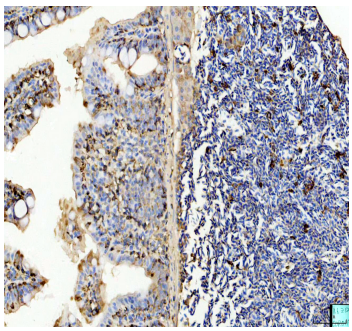
Anti-Zebrafish CORO1A Antibody Picoband® (AZQ7SX58) Images



Western blot analysis of CORO1A using anti-CORO1A antibody (AZQ7SX58). 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, Lane 4: zebrafish embryo 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-CORO1A antigen affinity purified polyclonal antibody (AZQ7SX58) 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 CORO1A at approximately 60 kDa. The expected band size for CORO1A is at 51 kDa.



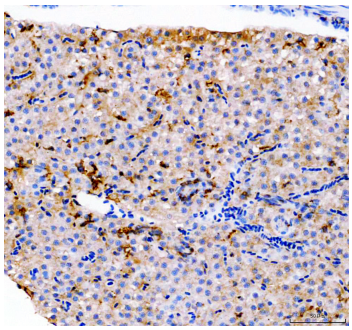
IHC analysis of CORO1A using anti-CORO1A antibody (AZQ7SX58). CORO1A was detected in a paraffin-embedded section of zebrafish thymus tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CORO1A Antibody (AZQ7SX58) 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 CORO1A using anti-CORO1A antibody (AZQ7SX58). CORO1A was detected in a paraffin-embedded section of zebrafish heart 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-CORO1A Antibody (AZQ7SX58) 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 CORO1A using anti-CORO1A antibody (AZQ7SX58). CORO1A was detected in a paraffin-embedded section of zebrafish liver tissue. Heat mediated antigen

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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-CORO1A Antibody (AZQ7SX58) 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.

Anti-Zebrafish CORO1A Antibody

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