BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish PACRG Antibody Picoband®

Catalog Number: AZQ5U3Q1

About PACRG

Predicted to enable Hsp70 protein binding activity and Hsp90 protein binding activity. Acts upstream of or within determination of left/right symmetry. Predicted to be active in cytosol; neuron projection; and vesicle. Is expressed in several structures, including Kupffer's vesicle; axis; forerunner cell group; nervous system; and pronephros. Orthologous to human PACRG (parkin coregulated).

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Overview

Product Name	Anti-Zebrafish PACRG Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PACRG Antibody Picoband® catalog # AZQ5U3Q1. 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	Q5U3Q1

Technical Details

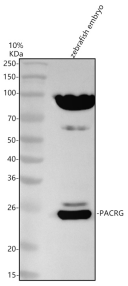
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of zebrafish PACRG.(RIAWKVEIEKLDYHHY).
Form	Lyophilized

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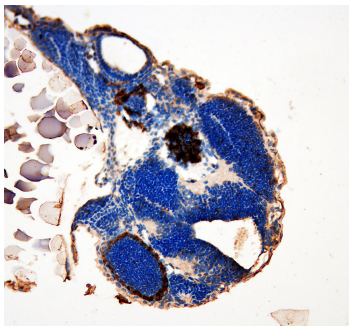
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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Anti-Zebrafish PACRG Antibody Picoband® (AZQ5U3Q1) Images



Western blot analysis of PACRG using anti-PACRG antibody (AZQ5U3Q1). 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 embryo 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-PACRG antigen affinity purified polyclonal antibody (AZQ5U3Q1) 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 PACRG at approximately 27 kDa. The expected band size for PACRG is at 27 kDa.



IHC analysis of PACRG using anti-PACRG antibody (AZQ5U3Q1). PACRG 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 2 ug/ml rabbit anti-PACRG Antibody (AZQ5U3Q1) 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.

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