BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish PPARAA Antibody Picoband®

Catalog Number: AZA0A8M1NRP3

About PPARAA

Predicted to enable DNA-binding transcription repressor activity, RNA polymerase II-specific; RNA polymerase II cis-regulatory region sequence-specific DNA binding activity; and nuclear receptor activity. Predicted to be involved in several processes, including negative regulation of cholesterol storage; positive regulation of fatty acid metabolic process; and regulation of transcription by RNA polymerase II. Predicted to be part of RNA polymerase II transcription regulator complex. Predicted to be active in nucleus. Is expressed in several structures, including adipose tissue; digestive system; heart; nervous system; and spinal cord neural tube. Human ortholog(s) of this gene implicated in Alzheimer's disease; coronary artery disease; hepatocellular carcinoma; lipid metabolism disorder; and myocardial infarction. Orthologous to human PPARA (peroxisome proliferator activated receptor alpha).

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Overview

Product Name	Anti-Zebrafish PPARAA Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish PPARAA Antibody Picoband® catalog # AZA0A8M1NRP3. 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	A0A8M1NRP3

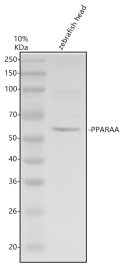
Technical Details

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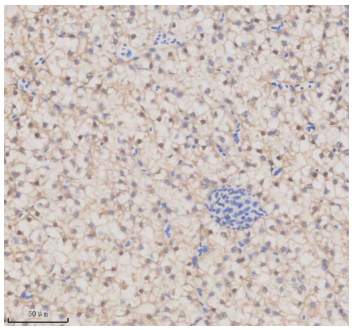
Immunogen	E.coli-derived Zebrafish PPARAA recombinant protein (Position: Q175-H459).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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Anti-Zebrafish PPARAA Antibody Picoband® (AZA0A8M1NRP3) Images



Western blot analysis of PPARAA using anti-PPARAA antibody (AZA0A8M1NRP3). 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 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-PPARAA antigen affinity purified polyclonal antibody (AZA0A8M1NRP3) 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 PPARAA at approximately 53 kDa. The expected band size for PPARAA is at 53 kDa.



IHC analysis of PPARAA using anti-PPARAA antibody (AZA0A8M1NRP3). PPARAA was detected in a paraffin-embedded section of zebrafish liver 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-PPARAA Antibody (AZA0A8M1NRP3) 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.