

Anti-Zebrafish GATA4 Antibody Picoband®

Catalog Number: AZQ09JY7

About GATA4

Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Acts upstream of or within several processes, including cardiac muscle tissue regeneration; heart morphogenesis; and swim bladder formation. Predicted to be active in nucleus. Is expressed in several structures, including endocrine system; gut; liver and biliary system; mesoderm; and pericardial region. Human ortholog(s) of this gene implicated in congenital heart disease (multiple). Orthologous to human GATA4 (GATA binding protein 4).

Overview

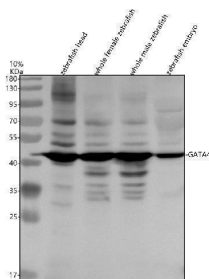
Product Name	Anti-Zebrafish GATA4 Antibody Picoband®
Reactive Species	Zebrafish
Description	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. Immunogen affinity purified. Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Acts upstream of or within several processes, including cardiac muscle tissue regeneration; heart morphogenesis; and swim bladder formation. Predicted to be active in nucleus. Is expressed in several structures, including endocrine system; gut; liver and biliary system; mesoderm; and pericardial region. Human ortholog(s) of this gene implicated in congenital heart disease (multiple). Orthologous to human GATA4 (GATA binding protein 4). E.coli-derived Zebrafish GATA4 recombinant protein (Position: M1-M332) anti-zebrafish-gata4-antibody-azq09jy7-boster Anti-Zebrafish GATA4 Antibody Picoband® Boster Bio Anti-Zebrafish GATA4 Antibody Picoband® catalog # AZQ09JY7. 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	Q09JY7

Technical Details

Immunogen	E.coli-derived Zebrafish GATA4 recombinant protein (Position: M1-M332)
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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 GATA4 Antibody Picoband® (AZQ09JY7) Images



Western blot analysis of GATA4 using anti-GATA4 antibody (AZQ09JY7). 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-GATA4 antigen affinity purified polyclonal antibody (AZQ09JY7) 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 GATA4 at approximately 42 kDa. The expected band size for GATA4 is at 37 kDa.

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Anti-Zebrafish GATA4 Antibody

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