BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish GATA3 Antibody Picoband®

Catalog Number: AZQ91428

About GATA3

Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Involved in several processes, including fibroblast growth factor receptor signaling pathway; fin regeneration; and positive regulation of neuron migration. Acts upstream of or within cardiac muscle tissue regeneration; embryonic organ morphogenesis; and ventral spinal cord interneuron differentiation. Predicted to be active in nucleus. Is expressed in several structures, including digestive system; ectoderm; nervous system; neural tube; and pleuroperitoneal region. Used to study hypoparathyroidism-retardation-dysmorphism syndrome. Human ortholog(s) of this gene implicated in hypoparathyroidism; hypoparathyroidism-deafness-renal disease syndrome; nephrosis; and sensorineural hearing loss. Orthologous to human GATA3 (GATA binding protein 3).

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Overview

Product Name	Anti-Zebrafish GATA3 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. Involved in several processes, including fibroblast growth factor receptor signaling pathway; fin regeneration; and positive regulation of neuron migration. Acts upstream of or within cardiac muscle tissue regeneration; embryonic organ morphogenesis; and ventral spinal cord interneuron differentiation. Predicted to be active in nucleus. Is expressed in several structures, including digestive system; ectoderm; nervous system; neural tube; and pleuroperitoneal region. Used to study hypoparathyroidism-retardation-dysmorphism syndrome. Human ortholog(s) of this gene implicated in hypoparathyroidism; hypoparathyroidism-deafness-renal disease syndrome; nephrosis; and sensorineural hearing loss. Orthologous to human GATA3 (GATA binding protein 3).E.coli-derived Zebrafish GATA3 recombinant protein (Position: M1-S432)anti-zebrafish-gata3-antibody-azq91428-bosterAnti-Zebrafish GATA3 Antibody Picoband®Boster Bio Anti-Zebrafish GATA3 Antibody Picoband® catalog # AZQ91428. 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 Na2HPO4.

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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	Q91428

Technical Details

Immunogen	E.coli-derived Zebrafish GATA3 recombinant protein (Position: M1-S432)
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

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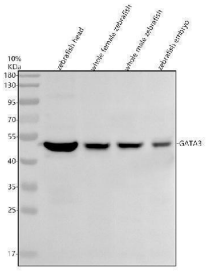
Anti-Zebrafish GATA3 Antibody Picoband® (AZQ91428) Images



Western blot analysis of GATA3 using anti-GATA3 antibody (AZQ91428). 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-GATA3 antigen affinity purified polyclonal antibody (AZQ91428) 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 GATA3 at approximately 47 kDa. The expected band size for GATA3 is at 47 kDa.

Anti-Zebrafish GATA3 Antibody

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