

## Anti-Zebrafish GATA1A Antibody Picoband®

Catalog Number: AZQ90410

### About GATA1A

Enables DNA-binding transcription factor activity; double-stranded DNA binding activity; and sequence-specific DNA binding activity. Acts upstream of or within several processes, including hemopoiesis; regulation of gene expression; and regulation of primitive erythrocyte differentiation. Predicted to be active in nucleus. Is expressed in several structures, including ball; cardiovascular system; hematopoietic cell; hematopoietic system; and mesoderm. Human ortholog(s) of this gene implicated in several diseases, including X-linked recessive disease (multiple); bone marrow cancer (multiple); colon adenocarcinoma; depressive disorder; and myeloid leukemia associated with Down Syndrome. Orthologous to human GATA1 (GATA binding protein 1).

### Overview

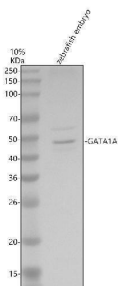
Product Name	Anti-Zebrafish GATA1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish GATA1A Antibody Picoband® catalog # AZQ90410. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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 <sub>2</sub> HPO <sub>4</sub> .
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	Q90410

### Technical Details

Immunogen	E.coli-derived Zebrafish GATA1A recombinant protein (Position: S64-V418).
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 GATA1A Antibody Picoband® (AZQ90410) Images



Western blot analysis of GATA1A using anti-GATA1A antibody (AZQ90410). 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 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-GATA1A antigen affinity purified polyclonal antibody (AZQ90410) 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 GATA1A at approximately 45 kDa. The expected band size for GATA1A is at 45 kDa.

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