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

Anti-Zebrafish IRF4A Antibody Picoband®

Catalog Number: AZA0A8M1NI50

About IRF4A

Enables DNA-binding transcription activator activity, RNA polymerase II-specific; DNA-binding transcription repressor activity, RNA polymerase II-specific; and RNA polymerase II transcription regulatory region sequence-specific DNA binding activity. Acts upstream of or within lymphoid lineage cell migration into thymus; lymphoid progenitor cell differentiation; and negative regulation of myeloid cell differentiation. Located in chromatin and nucleus. Is expressed in several structures, including hematopoietic multipotent progenitor cell; hematopoietic system; liver; pleuroperitoneal region; and thymus. Human ortholog(s) of this gene implicated in hematologic cancer (multiple); immunodeficiency 131; and pigmentation disease. Orthologous to human IRF4 (interferon regulatory factor 4).

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Overview

Product Name	Anti-Zebrafish IRF4A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish IRF4A Antibody Picoband® catalog # AZA0A8M1NI50. 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.
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	A0A8M1NI50

Technical Details

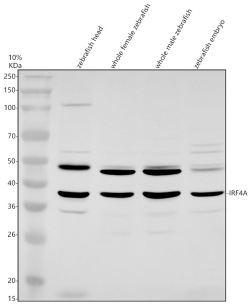
Immunogen	E.coli-derived Zebrafish IRF4A recombinant protein (Position: A126-E460).

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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

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Anti-Zebrafish IRF4A Antibody Picoband® (AZA0A8M1NI50) Images



Western blot analysis of IRF4A using anti-IRF4A antibody (AZA0A8M1NI50). 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 lysates, Lane 3: whole male zebrafish lysates, Lane 4: 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-IRF4A antigen affinity purified polyclonal antibody (AZA0A8M1NI50) 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 IRF4A at approximately 37 kDa. The expected band size for IRF4A is at 37 kDa.

Anti-Zebrafish IRF4A Antibody

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