

Anti-Zebrafish NFKBIAA Antibody Picoband®

Catalog Number: AZF1QCG4

About NFKBIAA

Predicted to enable NF-kappaB binding activity and protein sequestering activity. Acts upstream of or within negative regulation of hematopoietic progenitor cell differentiation and response to virus. Predicted to be active in cytosol. Is expressed in several structures, including lateral line system; periderm; pronephric duct; tail bud; and vent. Human ortholog(s) of this gene implicated in several diseases, including childhood-onset asthma; ectodermal dysplasia and immunodeficiency 2; hematologic cancer (multiple); hepatitis B; and lung disease (multiple). Orthologous to human NFKBIA (NFKB inhibitor alpha).

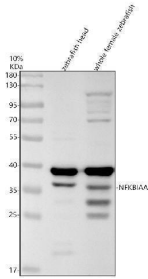
Overview

Product Name	Anti-Zebrafish NFKBIAA Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NFKBIAA Antibody Picoband® catalog # AZF1QCG4. 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 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	F1QCG4

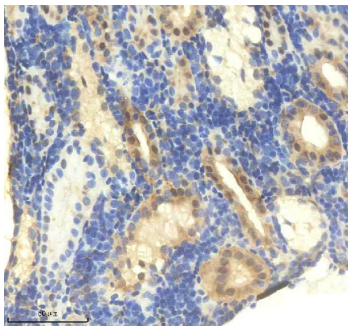
Technical Details

Immunogen	E.coli-derived Zebrafish NFKBIAA recombinant protein (Position: M1-V227).
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

Anti-Zebrafish NFKBIAA Antibody Picoband® (AZF1QCG4) Images



Western blot analysis of NFKBIAA using anti-NFKBIAA antibody (AZF1QCG4). 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. 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-NFKBIAA antigen affinity purified polyclonal antibody (AZF1QCG4) 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 NFKBIAA at approximately 35 kDa. The expected band size for NFKBIAA is at 35 kDa.



IHC analysis of NFKBIAA using anti-NFKBIAA antibody (AZF1QCG4). NFKBIAA was detected in a paraffin-embedded section of zebrafish kidney 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-NFKBIAA Antibody (AZF1QCG4) 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.

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