BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish AURKB Antibody Picoband®

Catalog Number: AZQ6NW76

About AURKB

Predicted to enable protein serine/threonine kinase activity. Acts upstream of or within chromosome segregation; cytoskeleton-dependent cytokinesis; and microtubule cytoskeleton organization. Predicted to be located in chromosome, centromeric region and spindle. Predicted to be part of chromosome passenger complex. Predicted to be active in several cellular components, including kinetochore; microtubule cytoskeleton; and midbody. Is expressed in several structures, including blastomere; blood; branchial mesenchyme; central nervous system; and proliferative region. Human ortholog(s) of this gene implicated in spermatogenic failure 5. Orthologous to several human genes including AURKB (aurora kinase B).

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Overview

Product Name	Anti-Zebrafish AURKB Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish AURKB Antibody Picoband® catalog # AZQ6NW76. 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	Q6NW76

Technical Details

Immunogen	E.coli-derived Zebrafish AURKB recombinant protein (Position: R10-H286).

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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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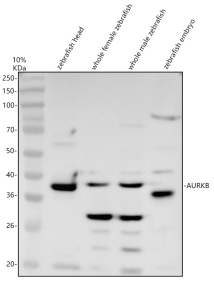
Anti-Zebrafish AURKB Antibody Picoband® (AZQ6NW76) Images



Western blot analysis of AURKB using anti-AURKB antibody (AZQ6NW76). 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 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-AURKB antigen affinity purified polyclonal antibody (AZQ6NW76) 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 AURKB at approximately 36-38 kDa. The expected band size for AURKB is at 37 kDa.

Anti-Zebrafish AURKB Antibody

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