BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish NPHP4 Antibody Picoband®

Catalog Number: AZA0AB32TX87

About NPHP4

Acts upstream of or within several processes, including determination of left/right symmetry; pronephros development; and regulation of Wnt signaling pathway. Predicted to be located in cytoskeleton. Predicted to be active in several cellular components, including ciliary basal body; ciliary base; and ciliary transition zone. Is expressed in blastomere. Human ortholog(s) of this gene implicated in Joubert syndrome 4; Senior-Loken syndrome; congenital heart disease; nephronophthisis; and nephronophthisis 4. Orthologous to human NPHP4 (nephrocystin 4).

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Overview

Product Name	Anti-Zebrafish NPHP4 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish NPHP4 Antibody Picoband® catalog # AZA0AB32TX87. 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	A0AB32TX87

Technical Details

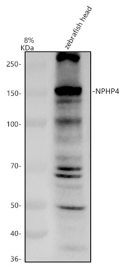
Immunogen	E.coli-derived Zebrafish NPHP4 recombinant protein (Position: K903-R1417).
Form	Lyophilized

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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 NPHP4 Antibody Picoband® (AZA0AB32TX87) Images



Western blot analysis of NPHP4 using anti-NPHP4 antibody (AZA0AB32TX87). Electrophoresis was performed on a 8% 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.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-NPHP4 antigen affinity purified polyclonal antibody (AZA0AB32TX87) 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 NPHP4 at approximately 155 kDa. The expected band size for NPHP4 is at 155 kDa.

Anti-Zebrafish NPHP4 Antibody

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