

Anti-Zebrafish WNT4A Antibody Picoband®

Catalog Number: AZP47793

About WNT4A

Predicted to enable cytokine activity and frizzled binding activity. Involved in cell migration involved in gastrulation. Acts upstream of or within several processes, including embryonic viscerocranium morphogenesis; habenula development; and regulation of axon extension involved in axon guidance. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in several structures, including central nervous system; head; neural rod; neural tube; and reproductive system. Human ortholog(s) of this gene implicated in Mullerian aplasia and hyperandrogenism. Orthologous to human WNT4 (Wnt family member 4).

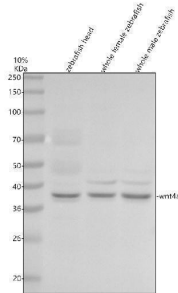
Overview

Product Name	Anti-Zebrafish WNT4A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish WNT4A Antibody Picoband® catalog # AZP47793. 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 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	P47793

Technical Details

Immunogen	E.coli-derived Zebrafish WNT4A recombinant protein (Position: S36-R352).
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 WNT4A Antibody Picoband® (AZP47793) Images



Western blot analysis of WNT4A using anti-WNT4A antibody (AZP47793). 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, Lane 3: whole male 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-WNT4A antigen affinity purified polyclonal antibody (AZP47793) 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 WNT4A at approximately 39 kDa. The expected band size for WNT4A is at 39 kDa.

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