BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Zebrafish VENT Antibody Picoband®

**Catalog Number:** AZQ9DGM9

## About VENT

Predicted to enable DNA-binding transcription factor activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Acts upstream of or within dorsal/ventral pattern formation; regulation of endodermal cell fate specification; and regulation of mesodermal cell fate specification. Predicted to be active in nucleus. Is expressed in embryonic structure. Orthologous to human VENTX (VENT homeobox).

## Overview

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|---|---|
| Product Name | Anti-Zebrafish VENT Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish VENT Antibody Picoband® catalog # AZQ9DGM9. 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 | Q9DGM9 |

## Technical Details

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| Immunogen | E.coli-derived Zebrafish VENT recombinant protein (Position: M1-F170). |
| 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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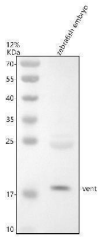
# Anti-Zebrafish VENT Antibody Picoband® (AZQ9DGM9) Images




Western blot analysis of VENT using anti-VENT antibody (AZQ9DGM9). Electrophoresis was performed on a 12% 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 embryo 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-VENT antigen affinity purified polyclonal antibody (AZQ9DGM9) 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 VENT at approximately 19 kDa. The expected band size for VENT is at 19 kDa.

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Anti-Zebrafish VENT Antibody

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