BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Anti-Zebrafish MVP Antibody Picoband®

**Catalog Number:** AZQ6P3L0

## About MVP

Acts upstream of or within cranial skeletal system development; eye development; and nervous system development. Predicted to be active in cytoplasm and nucleus. Is expressed in several structures, including digestive system; hatching gland; nervous system; periderm; and polster. Orthologous to human MVP (major vault protein).

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## Overview

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|---|---|
| Product Name | Anti-Zebrafish MVP Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish MVP Antibody Picoband® catalog # AZQ6P3L0. 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 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 | Q6P3L0 |

## Technical Details

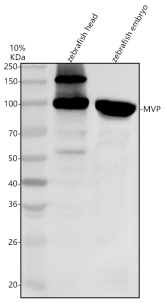
| | |
|---|---|
| Immunogen | E.coli-derived Zebrafish MVP recombinant protein (Position: R71-K790). |
| Form | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. |

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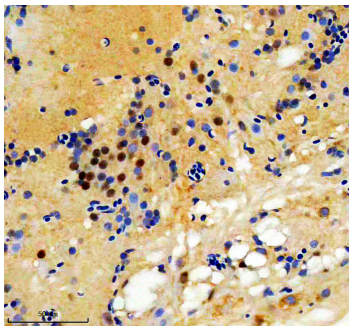
| | |
|---|---|
| Purification | Immunogen affinity purified. |
| Suggested Dilutions | Western blot, 0.25-0.5 ug/ml, Zebrafish<br>Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish |

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# Anti-Zebrafish MVP Antibody Picoband® (AZQ6P3L0) Images




Western blot analysis of MVP using anti-MVP antibody (AZQ6P3L0). 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: 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-MVP antigen affinity purified polyclonal antibody (AZQ6P3L0) 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 MVP at approximately 100 kDa. The expected band size for MVP is at 94 kDa.



IHC analysis of MVP using anti-MVP antibody (AZQ6P3L0). MVP was detected in a paraffin-embedded section of zebrafish brain 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-MVP Antibody (AZQ6P3L0) 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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