BOSTER BIOLOGICAL TECHNOLOGY
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# Anti-Zebrafish HDAC10 Antibody Picoband®

**Catalog Number:** AZF1QCV2

## About HDAC10

Enables acetylspermidine deacetylase activity and zinc ion binding activity. Acts upstream of or within regulation of tubulin deacetylation; spermidine deacetylation; and swimming behavior. Predicted to be located in nucleus. Predicted to be active in cytosol. Orthologous to human HDAC10 (histone deacetylase 10).

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## Overview

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| Product Name | Anti-Zebrafish HDAC10 Antibody Picoband® |
| Reactive Species | Zebrafish |
| Description | Boster Bio Anti-Zebrafish HDAC10 Antibody Picoband® catalog # AZF1QCV2. 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 | F1QCV2 |

## Technical Details

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| Immunogen | E.coli-derived Zebrafish HDAC10 recombinant protein (Position: Y37-E480). |
| 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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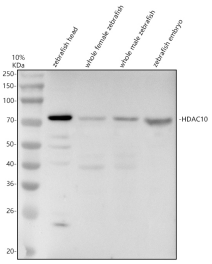
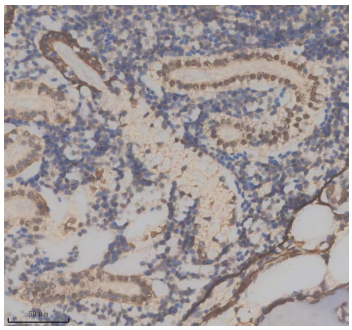
# Anti-Zebrafish HDAC10 Antibody Picoband® (AZF1QCV2) Images




Western blot analysis of HDAC10 using anti-HDAC10 antibody (AZF1QCV2). 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-HDAC10 antigen affinity purified polyclonal antibody (AZF1QCV2) 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 HDAC10 at approximately 74 kDa. The expected band size for HDAC10 is at 74 kDa.



IHC analysis of HDAC10 using anti-HDAC10 antibody (AZF1QCV2). HDAC10 was detected in a paraffin-embedded section of zebrafish kidney 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-HDAC10 Antibody (AZF1QCV2) 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.

Anti-Zebrafish HDAC10 Antibody

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