BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Zebrafish H2AZ2A Antibody Picoband®

Catalog Number: AZQ71PD7

About H2AZ2A

Predicted to be a structural constituent of chromatin. Acts upstream of or within positive regulation of melanocyte differentiation. Predicted to be located in chromosome. Predicted to be part of nucleosome. Predicted to be active in nucleus. Is expressed in ovarian follicle. Orthologous to human H2AZ2 (H2A.Z variant histone 2).

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Overview

Product Name	Anti-Zebrafish H2AZ2A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish H2AZ2A Antibody Picoband® catalog # AZQ71PD7. 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	Q71PD7

Technical Details

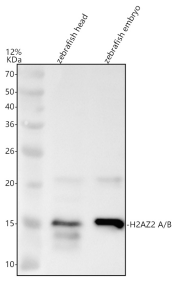
Immunogen	E.coli-derived Zebrafish H2AZ2A recombinant protein (Position: K8-A128).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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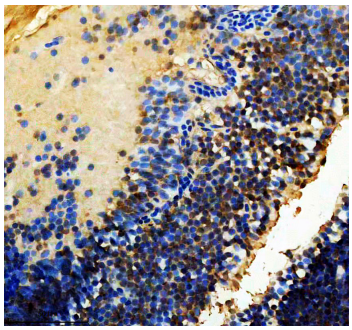
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry (Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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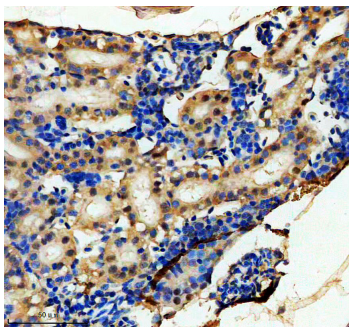
Anti-Zebrafish H2AZ2A Antibody Picoband® (AZQ71PD7) Images



Western blot analysis of H2AZ2A using anti-H2AZ2A antibody (AZQ71PD7). 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 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-H2AZ2A antigen affinity purified polyclonal antibody (AZQ71PD7) 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 H2AZ2A at approximately 15 kDa. The expected band size for H2AZ2A is at 13 kDa.



IHC analysis of H2AZ2A using anti-H2AZ2A antibody (AZQ71PD7). H2AZ2A 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-H2AZ2A Antibody (AZQ71PD7) 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.



IHC analysis of H2AZ2A using anti-H2AZ2A antibody (AZQ71PD7). H2AZ2A 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-H2AZ2A Antibody (AZQ71PD7) 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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