BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish HAT1 Antibody Picoband®

Catalog Number: AZQ66HU5

About HAT1

Predicted to enable histone H4 acetyltransferase activity. Predicted to act upstream of or within subtelomeric heterochromatin formation. Predicted to be located in nucleus. Is expressed in several structures, including alar plate midbrain region; immature eye; liver; nervous system; and pectoral fin. Orthologous to human HAT1 (histone acetyltransferase 1).

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Overview

Product Name	Anti-Zebrafish HAT1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish HAT1 Antibody Picoband® catalog # AZQ66HU5. Tested in WB, IF 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	IF, 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	Q66HU5

Technical Details

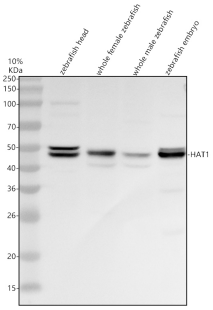
Immunogen	E.coli-derived Zebrafish HAT1 recombinant protein (Position: E43-V408).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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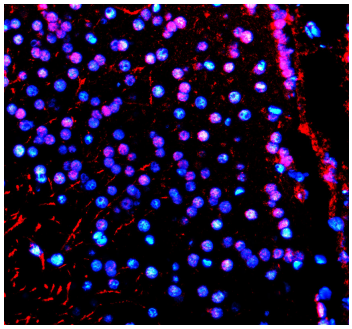
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunofluorescence, 5 ug/ml, Zebrafish

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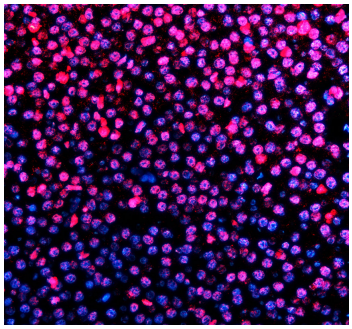
Anti-Zebrafish HAT1 Antibody Picoband® (AZQ66HU5) Images



Western blot analysis of HAT1 using anti-HAT1 antibody (AZQ66HU5). 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, Lane 4: 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-HAT1 antigen affinity purified polyclonal antibody (AZQ66HU5) 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 HAT1 at approximately 48 kDa. The expected band size for HAT1 is at 48 kDa.



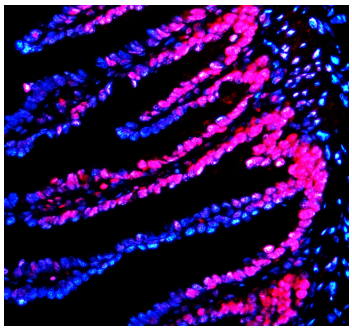
IF analysis of HAT1 using anti-HAT1 antibody (AZQ66HU5). HAT1 was detected in a paraffin-embedded section of zebrafish brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-HAT1 Antibody (AZQ66HU5) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



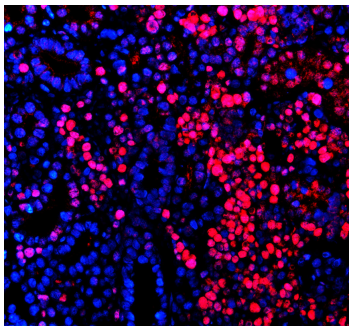
IF analysis of HAT1 using anti-HAT1 antibody (AZQ66HU5). HAT1 was detected in a paraffin-embedded section of zebrafish liver tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5 ug/mL rabbit anti-HAT1 Antibody (AZQ66HU5) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

IF analysis of HAT1 using anti-HAT1 antibody (AZQ66HU5). HAT1 was detected in a paraffin-embedded section of zebrafish intestine tissue. Heat mediated antigen retrieval

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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 5 ug/mL rabbit anti-HAT1 Antibody (AZQ66HU5) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



IF analysis of HAT1 using anti-HAT1 antibody (AZQ66HU5). HAT1 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 5 ug/mL rabbit anti-HAT1 Antibody (AZQ66HU5) overnight at 4°C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

Anti-Zebrafish HAT1 Antibody

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