

## Anti-Zebrafish CYP3A65 Antibody Picoband®

Catalog Number: AZQ32LT1

### About CYP3A65

Predicted to enable steroid hydroxylase activity. Acts upstream of or within response to xenobiotic stimulus. Predicted to be located in endoplasmic reticulum membrane. Is expressed in several structures, including digestive system; eye; gill; heart; and ovary. Human ortholog(s) of this gene implicated in B-lymphoblastic leukemia/lymphoma; acute lymphoblastic leukemia; chronic myeloid leukemia; essential hypertension; and familial Mediterranean fever. Orthologous to several human genes including CYP3A7-CYP3A51P (CYP3A7-CYP3A51P readthrough); CYP3A43 (cytochrome P450 family 3 subfamily A member 43); and CYP3A5 (cytochrome P450 family 3 subfamily A member 5).

### Overview

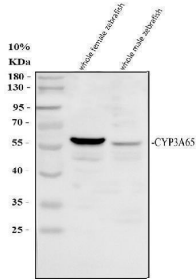
Product Name	Anti-Zebrafish CYP3A65 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish CYP3A65 Antibody Picoband® catalog # AZQ32LT1. Tested in WB, IHC applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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 Na <sub>2</sub> HPO <sub>4</sub> .
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	Q32LT1

### Technical Details

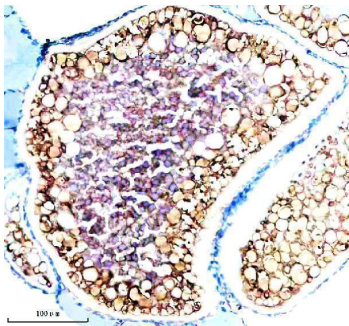
Immunogen	E.coli-derived Zebrafish CYP3A65 recombinant protein (Position: R48-S517).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish



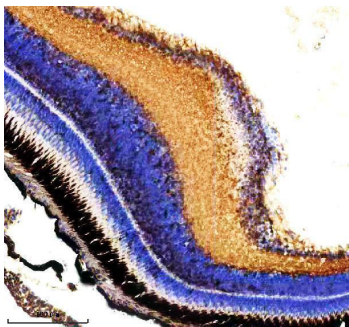
## Anti-Zebrafish CYP3A65 Antibody Picoband® (AZQ32LT1) Images



Western blot analysis of CYP3A65 using anti-CYP3A65 antibody (AZQ32LT1). 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: whole female zebrafish tissue lysates, Lane 2: whole male zebrafish 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-CYP3A65 antigen affinity purified polyclonal antibody (AZQ32LT1) 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 CYP3A65 at approximately 59 kDa. The expected band size for CYP3A65 is at 59 kDa.

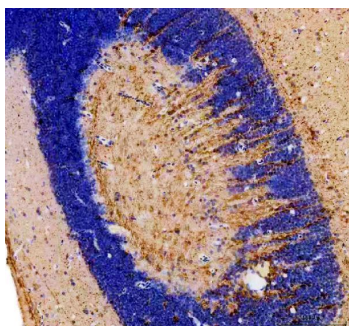


IHC analysis of CYP3A65 using anti-CYP3A65 antibody (AZQ32LT1). CYP3A65 was detected in a paraffin-embedded section of zebrafish ovary tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CYP3A65 Antibody (AZQ32LT1) 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.

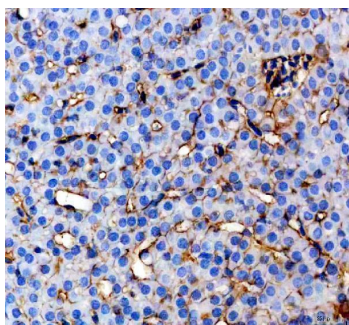


IHC analysis of CYP3A65 using anti-CYP3A65 antibody (AZQ32LT1). CYP3A65 was detected in a paraffin-embedded section of zebrafish eye tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CYP3A65 Antibody (AZQ32LT1) 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 CYP3A65 using anti-CYP3A65 antibody (AZQ32LT1). CYP3A65 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-CYP3A65 Antibody (AZQ32LT1) 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 CYP3A65 using anti-CYP3A65 antibody (AZQ32LT1). CYP3A65 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 2 ug/ml rabbit anti-CYP3A65 Antibody (AZQ32LT1) 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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### Anti-Zebrafish CYP3A65 Antibody

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