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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish LCP1 Antibody Picoband®

Catalog Number: AZQ6P698

About LCP1

Predicted to enable actin filament binding activity. Predicted to be involved in actin filament bundle assembly and actin filament network formation. Located in cytoplasm. Is expressed in several structures, including eye; hematopoietic cell; hematopoietic system; mesoderm; and renal system. Human ortholog(s) of this gene implicated in nicotine dependence. Orthologous to human LCP1 (lymphocyte cytosolic protein 1).

Overview

Product Name	Anti-Zebrafish LCP1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish LCP1 Antibody Picoband® catalog # AZQ6P698. Tested in IHC, WB 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	Q6P698

Technical Details

Immunogen	E.coli-derived Zebrafish LCP1 recombinant protein (Position: M1-E333).
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, 2-5 ug/ml, Zebrafish

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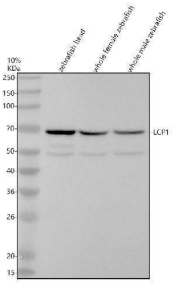
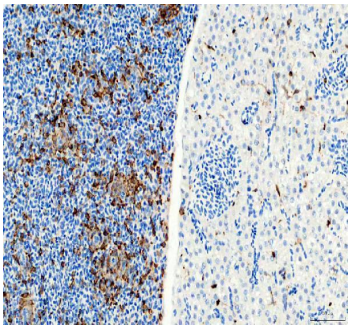
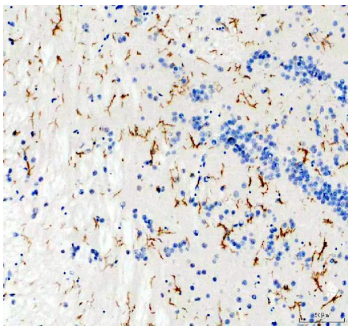
Anti-Zebrafish LCP1 Antibody Picoband® (AZQ6P698) Images



Western blot analysis of LCP1 using anti-LCP1 antibody (AZQ6P698). 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.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-LCP1 antigen affinity purified polyclonal antibody (AZQ6P698) 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 LCP1 at approximately 70 kDa. The expected band size for LCP1 is at 70 kDa.



IHC analysis of LCP1entin/LCP1 using anti-LCP1entin/LCP1 antibody (AZQ6P698). LCP1entin/LCP1 was detected in a paraffin-embedded section of zebrafish spleen (left) and liver (right) 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-LCP1entin/LCP1 Antibody (AZQ6P698) 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 LCP1entin/LCP1 using anti-LCP1entin/LCP1 antibody (AZQ6P698). LCP1entin/LCP1 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-LCP1entin/LCP1 Antibody (AZQ6P698) 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 LCP1entin/LCP1 using anti-LCP1entin/LCP1 antibody (AZQ6P698). LCP1entin/LCP1 was detected in a paraffin-embedded section of zebrafish eye tissue. Heat mediated antigen retrieval was performed in EDTA buffer

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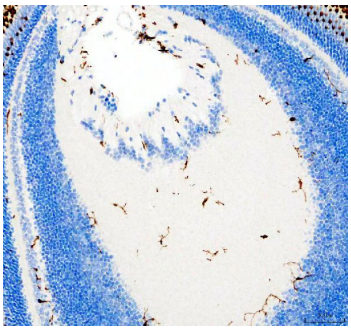
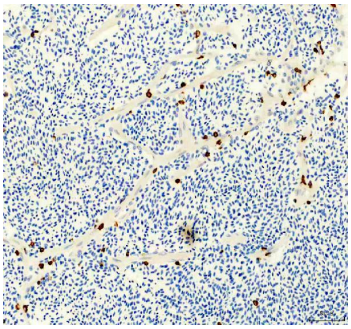
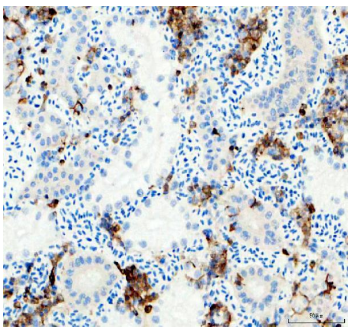


(pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-LCP1entin/LCP1 Antibody (AZQ6P698) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 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 LCP1entin/LCP1 using anti-LCP1entin/LCP1 antibody (AZQ6P698). LCP1entin/LCP1 was detected in a paraffin-embedded section of zebrafish heart 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-LCP1entin/LCP1 Antibody (AZQ6P698) 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 LCP1entin/LCP1 using anti-LCP1entin/LCP1 antibody (AZQ6P698). LCP1entin/LCP1 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-LCP1entin/LCP1 Antibody (AZQ6P698) 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 LCP1 Antibody

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