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

Anti-Zebrafish xCT/SLC7A11 Antibody Picoband®

Catalog Number: AZA0A140LGS0

About SLC7A11

Predicted to enable cystine:glutamate antiporter activity. Predicted to be involved in amino acid transmembrane transport. Predicted to be located in microvillus membrane. Predicted to be active in plasma membrane. Orthologous to human SLC7A11 (solute carrier family 7 member 11).

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Overview

Product Name	Anti-Zebrafish xCT/SLC7A11 Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish xCT/SLC7A11 Antibody Picoband® catalog # AZA0A140LGS0. Tested in 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	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	A0A140LGS0

Technical Details

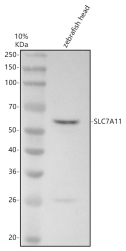
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of Zebrafish xCT/SLC7A11.(AYYIFIHSKRKPKWFQKFSD).
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

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

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Anti-Zebrafish xCT/SLC7A11 Antibody Picoband® (AZA0A140LGS0) Images



Western blot analysis of xCT/SLC7A11 using anti-xCT/SLC7A11 antibody (AZA0A140LGS0). 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.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-xCT/SLC7A11 antigen affinity purified polyclonal antibody (AZA0A140LGS0) 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 xCT/SLC7A11 at approximately 60 kDa. The expected band size for xCT/SLC7A11 is at 55-60 kDa.

Anti-Zebrafish xCT/SLC7A11 Antibody

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