

## Anti-Zebrafish LCK Antibody Picoband®

Catalog Number: AZQ6TPQ4

### About LCK

Predicted to enable non-membrane spanning protein tyrosine kinase activity and signaling receptor binding activity. Predicted to be involved in B cell receptor signaling pathway; T cell differentiation; and cell surface receptor protein tyrosine kinase signaling pathway. Predicted to act upstream of or within protein phosphorylation. Predicted to be located in cytosol. Predicted to be active in plasma membrane. Is expressed in gonad; immune system; and liver. Human ortholog(s) of this gene implicated in immunodeficiency 22. Orthologous to human LCK (LCK proto-oncogene, Src family tyrosine kinase).

### Overview

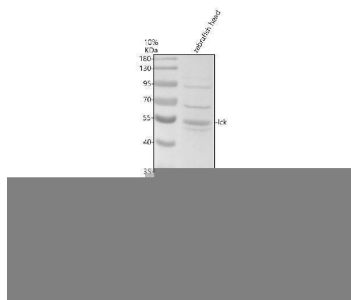
Product Name	Anti-Zebrafish LCK Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish LCK Antibody Picoband® catalog # AZQ6TPQ4. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees superior 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 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	Q6TPQ4

### Technical Details

Immunogen	E.coli-derived Zebrafish LCK recombinant protein (Position: F7-D489).
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



## Anti-Zebrafish LCK Antibody Picoband® (AZQ6TPQ4) Images



Western blot analysis of LCK using anti-LCK antibody (AZQ6TPQ4). 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. 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-LCK antigen affinity purified polyclonal antibody (AZQ6TPQ4) 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 LCK at approximately 55 kDa. The expected band size for LCK is at 57 kDa.

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