BOSTER
antibody and ELISA experts

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

Anti-Zebrafish EGLN1A Antibody Picoband®

Catalog Number: AZE7F518

About EGLN1A

Predicted to enable ferrous iron binding activity and peptidyl-proline 4-dioxygenase activity. Predicted to be involved in cellular response to hypoxia and regulation of neuron apoptotic process. Predicted to be active in cytoplasm and nucleus. Human ortholog(s) of this gene implicated in familial erythrocytosis 3; polycythemia; and renal cell carcinoma. Orthologous to human EGLN1 (egl-9 family hypoxia inducible factor 1).

Overview

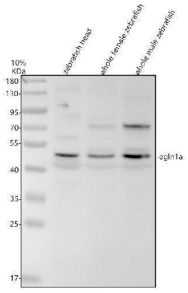
Product Name	Anti-Zebrafish EGLN1A Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish EGLN1A Antibody Picoband® catalog # AZE7F518. Tested in WB applications. This antibody reacts with Zebrafish. The brand Picoband indicates this is a premium antibody that guarantees 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	E7F518

Technical Details

Immunogen	E.coli-derived Zebrafish EGLN1A recombinant protein (Position: M1-S328).
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

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

Anti-Zebrafish EGLN1A Antibody Picoband® (AZE7F518) Images



Western blot analysis of EGLN1A using anti-EGLN1A antibody (AZE7F518). 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-EGLN1A antigen affinity purified polyclonal antibody (AZE7F518) 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 EGLN1A at approximately 50 kDa. The expected band size for EGLN1A is at 37 kDa.

Anti-Zebrafish EGLN1A Antibody

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