BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Zebrafish VEGFAB Antibody Picoband®

Catalog Number: AZA0A8M1P9F8

About VEGFAB

Predicted to enable chemoattractant activity; growth factor activity; and vascular endothelial growth factor receptor binding activity. Acts upstream of or within sprouting angiogenesis. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in brain; head; pronephros; and vasculature. Human ortholog(s) of this gene implicated in several diseases, including artery disease (multiple); autoimmune disease (multiple); gastrointestinal system cancer (multiple); hematologic cancer (multiple); and reproductive organ cancer (multiple). Orthologous to human VEGFA (vascular endothelial growth factor A).

Overview

Product Name	Anti-Zebrafish VEGFAB Antibody Picoband®
Reactive Species	Zebrafish
Description	Boster Bio Anti-Zebrafish VEGFAB Antibody Picoband® catalog # AZA0A8M1P9F8. 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 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	A0A8M1P9F8

Technical Details

Immunogen	E.coli-derived Zebrafish VEGFAB recombinant protein (Position: A24-R252).
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

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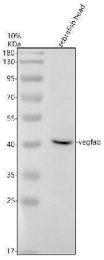
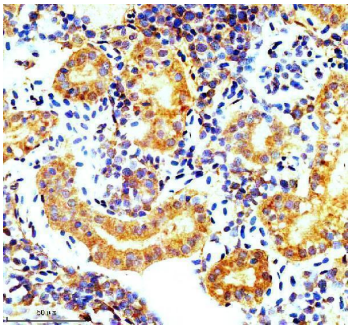
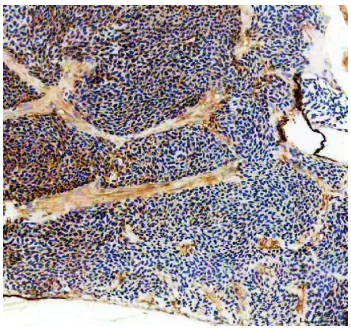
Anti-Zebrafish VEGFAB Antibody Picoband® (AZA0A8M1P9F8) Images



Western blot analysis of VEGFAB using anti-VEGFAB antibody (AZA0A8M1P9F8). 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-VEGFAB antigen affinity purified polyclonal antibody (AZA0A8M1P9F8) 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 VEGFAB at approximately 40 kDa. The expected band size for VEGFAB is at 26 kDa.



IHC analysis of VEGFAB using anti-VEGFAB antibody (AZA0A8M1P9F8). VEGFAB 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-VEGFAB Antibody (AZA0A8M1P9F8) 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 VEGFAB using anti-VEGFAB antibody (AZA0A8M1P9F8). VEGFAB 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-VEGFAB Antibody (AZA0A8M1P9F8) 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 VEGFAB using anti-VEGFAB antibody (AZA0A8M1P9F8). VEGFAB 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

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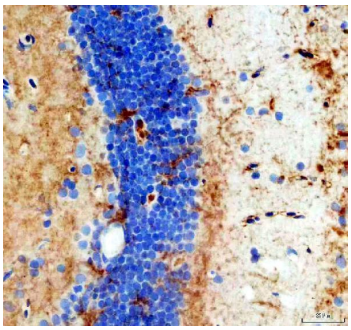

with 2 ug/ml rabbit anti-VEGFAB Antibody (AZA0A8M1P9F8) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Anti-Zebrafish VEGFAB Antibody

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