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Anti-Zebrafish FLT1 Antibody Picoband®

Catalog Number: AZB3DKP1

About FLT1

Predicted to enable growth factor binding activity and vascular endothelial growth factor receptor activity. Acts upstream of or within blood vessel development; establishment of left/right asymmetry; and regulation of heart contraction. Predicted to be located in membrane. Predicted to be part of receptor complex. Predicted to be active in plasma membrane. Is expressed in angioblastic mesenchymal cell; brain; cardiovascular system; endothelial cell; and somite. Human ortholog(s) of this gene implicated in Kuhnt-Junius degeneration; bronchopulmonary dysplasia; diabetic retinopathy; and pre-eclampsia. Orthologous to human FLT1 (fms related receptor tyrosine kinase 1).

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Overview

Product Name	Anti-Zebrafish FLT1 Antibody Picoband®
Reactive Species	Zebrafish
Description	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.Immunogen affinity purified.Predicted to enable growth factor binding activity and vascular endothelial growth factor receptor activity. Acts upstream of or within blood vessel development; establishment of left/right asymmetry; and regulation of heart contraction. Predicted to be located in membrane. Predicted to be part of receptor complex. Predicted to be active in plasma membrane. Is expressed in angioblastic mesenchymal cell; brain; cardiovascular system; endothelial cell; and somite. Human ortholog(s) of this gene implicated in Kuhnt-Junius degeneration; bronchopulmonary dysplasia; diabetic retinopathy; and pre-eclampsia. Orthologous to human FLT1 (fms related receptor tyrosine kinase 1).E.coli-derived Zebrafish FLT1 recombinant protein (Position: L32-K1229)anti-zebrafish-flt1-antibody-azb3dkp1-bosterAnti-Zebrafish FLT1 Antibody Picoband®Boster Bio Anti-Zebrafish FLT1 Antibody Picoband® catalog # AZB3DKP1. 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

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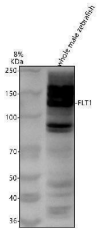
Uniprot ID	B3DKP1

Technical Details

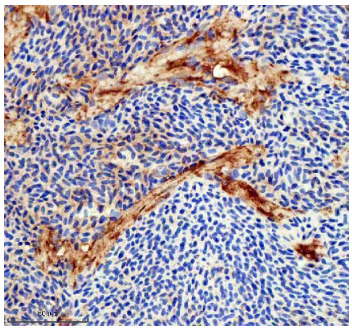
Immunogen	E.coli-derived Zebrafish FLT1 recombinant protein (Position: L32-K1229)
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Zebrafish Immunohistochemistry(Paraffin-embedded Section), 2-5 ug/ml, Zebrafish

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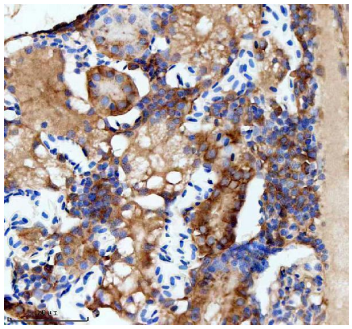
Anti-Zebrafish FLT1 Antibody Picoband® (AZB3DKP1) Images



Western blot analysis of FLT1 using anti-FLT1 antibody (AZB3DKP1). Electrophoresis was performed on a 8% 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: 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-FLT1 antigen affinity purified polyclonal antibody (AZB3DKP1) 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 FLT1 at approximately 142 kDa. The expected band size for FLT1 is at 142 kDa.



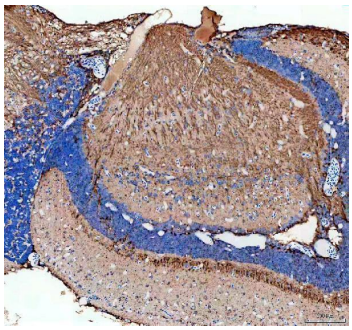
IHC analysis of FLT1 using anti-FLT1 antibody (AZB3DKP1). FLT1 was detected in a paraffin-embedded section of zebrafish heart tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FLT1 Antibody (AZB3DKP1) 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.



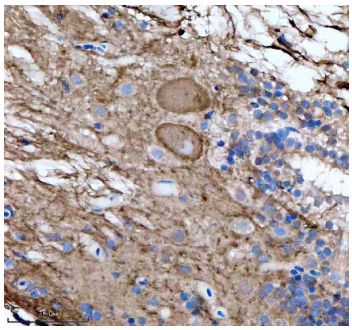
IHC analysis of FLT1 using anti-FLT1 antibody (AZB3DKP1). FLT1 was detected in a paraffin-embedded section of zebrafish kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-FLT1 Antibody (AZB3DKP1) 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 FLT1 using anti-FLT1 antibody (AZB3DKP1). FLT1 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

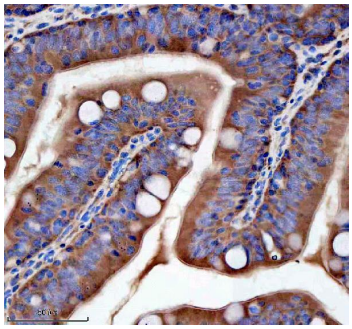
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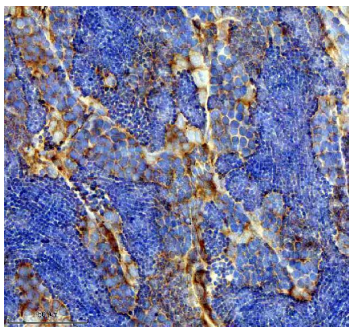
rabbit anti-FLT1 Antibody (AZB3DKP1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of FLT1 using anti-FLT1 antibody (AZB3DKP1). FLT1 was detected in a paraffin-embedded section of zebrafish spinal cord 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-FLT1 Antibody (AZB3DKP1) 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 FLT1 using anti-FLT1 antibody (AZB3DKP1). FLT1 was detected in a paraffin-embedded section of zebrafish colon 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-FLT1 Antibody (AZB3DKP1) 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 FLT1 using anti-FLT1 antibody (AZB3DKP1). FLT1 was detected in a paraffin-embedded section of zebrafish testis 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-FLT1 Antibody (AZB3DKP1) 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.

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