10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Zebrafish tie2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb21568a

Specification

Zebrafish tie2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O73791
Reactivity	**Zebrafish**
Host	**Rabbit**
Clonality	**polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**160-194**

Zebrafish tie2 Antibody (N-term) - Additional Information

Gene ID 30747

Other Names
Tyrosine-protein kinase receptor Tie-2, Tyrosine kinase with Ig and EGF homology domains-2, tie2, tie-2

Target/Specificity
This Zebrafish tie2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 160-194 amino acids from the N-terminal region of zebrafish tie2.

Dilution
WB~~1:2000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Zebrafish tie2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Zebrafish tie2 Antibody (N-term) - Protein Information

Name tek {ECO:0000250|UniProtKB:Q02763}

Function Tyrosine-protein kinase that acts as a cell-surface receptor for angiopoietins and regulates angiogenesis, endothelial cell survival, proliferation, migration, adhesion and cell

spreading, reorganization of the actin cytoskeleton, but also maintenance of vascular quiescence. Can activate or inhibit angiogenesis, depending on the context. Angiopoietin signaling triggers receptor dimerization and autophosphorylation at specific tyrosine residues that then serve as binding sites for scaffold proteins and effectors (By similarity).

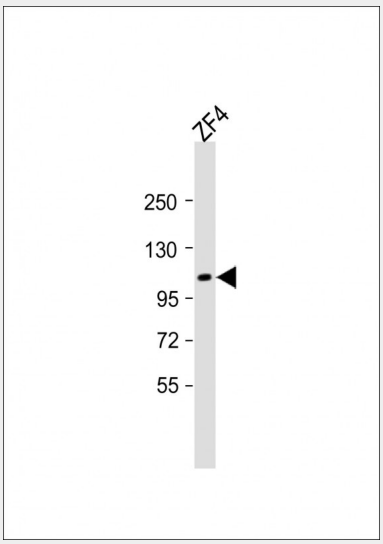
Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q02763}; Single-pass type I membrane protein. Cell junction {ECO:0000250|UniProtKB:Q02763}. Cell junction, focal adhesion {ECO:0000250|UniProtKB:Q02763}. Cytoplasm, cytoskeleton Note=Recruited to cell-cell contacts in quiescent endothelial cells (By similarity). Colocalizes with the actin cytoskeleton and at actin stress fibers during cell spreading. Recruited to the lower surface of migrating cells, especially the rear end of the cell (By similarity) {ECO:0000250|UniProtKB:Q02763}

Zebrafish tie2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Zebrafish tie2 Antibody (N-term) - Images



Anti-tie2 Antibody at 1:2000 dilution + ZF4 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 122 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Zebrafish tie2 Antibody (N-term) - Background

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or inhibit angiogenesis, depending on the context. Angiopoietin signaling triggers receptor dimerization and autophosphorylation at specific tyrosine residues that then serve as binding sites for scaffold proteins and effectors (By similarity).

Zebrafish tie2 Antibody (N-term) - References

Lyons M.S.,et al.Dev. Dyn. 212:133-140(1998).