

(DANRE) tie2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb21568a

Specification

(DANRE) tie2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O73791
Reactivity	Zebrafish
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	122361
Antigen Region	160-194

(DANRE) 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 (DANRE) 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 DANRE tie2.

Dilution

WB~~1:2000

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

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

(DANRE) 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

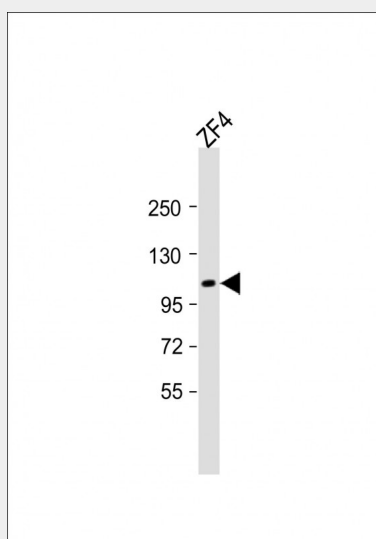
Cell membrane {ECO:0000250|UniProtKB:Q02763}; Single-pass type I membrane protein. Cell junction {ECO:0000250|UniProtKB:Q02763}. Cell junction, focal adhesion {ECO:0000250|UniProtKB:Q02763}. Cytoplasm, cytoskeleton Note=Recruited to cell-cell contacts in quiescent endothelial cells (By similarity). Colocalizes 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}

(DANRE) 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 Cytometry](#)
- [Cell Culture](#)

(DANRE) tie2 Antibody (N-term) - Images



Anti-ROBO1 Antibody (Y932) 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% NFDN/TBST.

(DANRE) 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).

(DANRE) tie2 Antibody (N-term) - References

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