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(DANRE) tie2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb21568a

Product Information

Application	WB, E
Primary Accession	O73791
Reactivity	Zebrafish
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB30729
Calculated MW	122361

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

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}

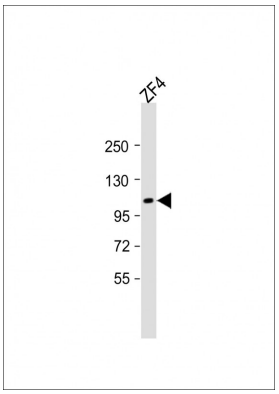
Background

Tyrosine-protein kinase that acts as 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).

References

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

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% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.