

Rabbit Tie-1 Polyclonal Antibody | anti-Tie1 antibody

Anti-Tie-1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255050	Rabbit	MousePredicted to React with: Human, Zebrafish (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

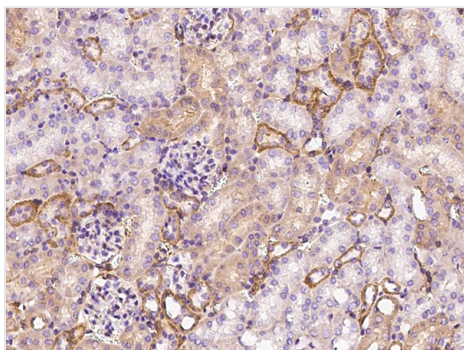
PRODUCT SYNONYMS

Tie-1; Polyclonal Antibody; Anti-Tie-1 Antibody; Rabbit Polyclonal; Tie-1 Antibody; Rabbit PAb; Antigen Affinity Purified; tyrosine kinase with immunoglobulin-like and EGF-like domains 1; Anti-D430008P04Rik Antibody; Anti-TIE Antibody; Anti-tie-1 Antibody; anti-Tie1 antibody

PRODUCT SPECIFICATIONS

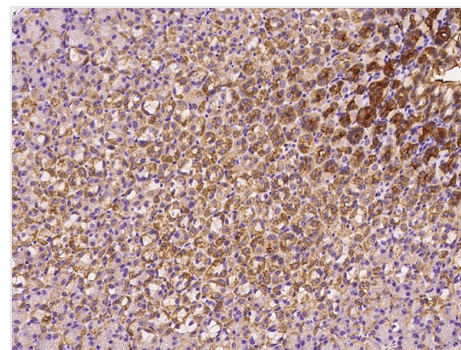
Host	Rabbit
Reactivity	Mouse Predicted to React with: Human, Zebrafish (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Tie-1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-Tie1 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse Tie-1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse Tie-1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse Tie1 in mouse kidney with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse Tie1 in mouse stomach with rabbit polyclonal antibody at 1:300 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-Tie1 antibody	Tyrosine kinase with immunoglobulin-like and EGF-like domains 1 also known as Tie1 is an angiopoietin receptor and is an orphan receptor tyrosine kinase that is expressed almost exclusively in endothelial cells and that is required for normal embryonic vascular development. The receptor tyrosine kinase Tie1 is expressed primarily in vascular endothelial cells. The receptor has also been detected in epithelial tumours in breast, thyroid and gastric cancers and in tumour cell lines where it appears as a 45 kDa truncated receptor fragment. Tie1 promotes endothelial cell survival, but other studies have suggested that the Tie1 kinase has little to no activity. Embryos deficient in Tie1 failed to establish structural integrity of vascular endothelial cells, resulting in oedema and subsequently localized haemorrhage. Tie1 is significantly higher in human aortic endothelial cells than in human umbilical vein endothelial cells. Additionally, attachment of cells of monocytic lineage to endothelial cells is also enhanced by Tie1 expression. Collectively Tie1 has a proinflammatory property and may play a role in endothelial inflammatory diseases such as atherosclerosis.
Product Categories/Family for anti-Tie1 antibody	Receptor Tyrosine Kinases (RTKs)
References	Chan B, et al. (2008) Receptor tyrosine kinase Tie-1 overexpression in endothelial cells upregulates adhesion molecules. Biochem Biophys Res Commun. 371(3): 475-9. Sato TN, et al. (1995) Distinct roles of the receptor tyrosine kinases Tie-1 and Tie-2 in blood vessel formation. Nature. 376(6535): 70-4. Rees KA, et al. (2007) The receptor tyrosine kinase Tie1 is expressed and activated in epithelial tumour cell lines. Int J Oncol. 31(4): 893-7. Kontos CD, et al. (2002) The endothelial receptor tyrosine kinase Tie1 activates phosphatidylinositol 3-kinase and Akt to inhibit apoptosis. Mol Cell Biol. 22(6): 1704-13.

NCBI AND UNIPROT INFORMATION

NCBI GI #	144446133
NCBI GeneID	21846
NCBI Accession #	NP_035717.2
NCBI GenBank Nucleotide #	NM_011587.2
UniProt Accession #	Q06806 ; Q811F4 ; Q8BG12
Molecular Weight	124,583 Da
NCBI Official Full Name	tyrosine-protein kinase receptor Tie-1
NCBI Official Synonym Full Names	tyrosine kinase with immunoglobulin-like and EGF-like domains 1
NCBI Official Symbol	Tie1
NCBI Official Synonym Symbols	TIE; tie-1; D430008P04Rik
NCBI Protein Information	tyrosine-protein kinase receptor Tie-1; tyrosine kinase receptor 1
UniProt Protein Name	Tyrosine-protein kinase receptor Tie-1
UniProt Gene Name	Tie1
UniProt Synonym Gene Names	Tie; Tie-1
UniProt Entry Name	TIE1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/tie-1-antibody-immunohistochemistry-elisa/255050>