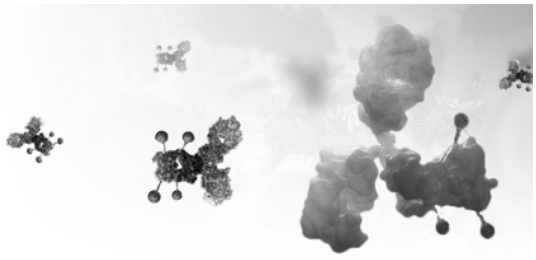

Rabbit Anti-Human TIE1 polyclonal antibody (CABT-L1868)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody may react with (Predicted by homology) : Bovine, Dog, Mouse, Rabbit, Rat
Target	TIE1
Immunogen	Synthetic peptide corresponding to C-terminus of human TIE-1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	107 kDa (Calculated)
Cellular Localization	Membrane
Positive Control	Tonsil
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly

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stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction	TIE-1/TIE (tyrosine kinase with Ig and EGF homology domains 1) and TIE2/Tek define a new class of the receptor tyrosine kinase (RTK) subfamily with unique structural characteristics: two immunoglobulin like domains flanking three epidermal growth factor (EFG) like domains followed by three fibronectin type III like repeats in the extracellular region and a split tyrosine kinase domain in the cytoplasmic region. Human TIE-1 cDNA encodes a 1138 amino acid residue precursor protein with a putative signal peptide, an extracellular domain, and a cytoplasmic domain. TIE-1 and TIE-2, expressed primarily on endothelial and hematopoietic progenitor cells, play important roles in angiogenesis, vasculogenesis, and hematopoiesis. In developing vascular endothelial cells, TIE-1 and TIE-2 are specifically expressed. Two ligands that bind TIE have been identified, angiopoietin 1 and angiopoietin 2. Based on gene targeting studies, the in vivo functions of TIE-1 are related to endothelial cell differentiation.
Keywords	TIE1;tyrosine kinase with immunoglobulin-like and EGF-like domains 1;TIE,tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1;tyrosine-protein kinase receptor Tie-1;JTK14;JKT 14;JTK14;TIE;Tie1;TIE1_HUMAN;Tyrosine Ki

GENE INFORMATION

Entrez Gene ID	7075
UniProt ID	P35590

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