ELK Biotechnology

Tie-2 rabbit pAb

Cat No.:ES7366

For research use only

Overview

Product Name	Tie-2 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;WB;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	WB 1:500-2000 Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human TIE2. AA range:1068-1117
Specificity	Tie-2 Polyclonal Antibody detects endogenous levels of Tie-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Angiopoietin-1 receptor
Gene Name	TEK
Cellular localization	Cell membrane ; Single-pass type I membrane protein. Cell junction . Cell junction, focal adhesion . Cytoplasm, cytoskeleton. Secreted . Recruited to cell-cell contacts in quiescent endothelial cells (PubMed:18425120, PubMed:18425119). Colocalizes with th
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	160kD
Human Gene ID	7010
Human Swiss-Prot Number	Q02763
Alternative Names	TEK; TIE2; VMCM; VMCM1; Angiopoietin-1 receptor; Endothelial tyrosine kinase; Tunica interna

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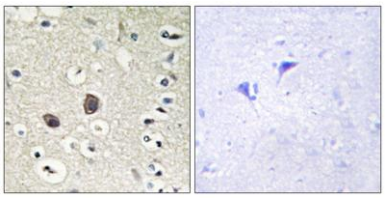
Background

endothelial cell kinase; Tyrosine kinase with Ig and EGF homology domains-2; Tyrosine-protein kinase receptor TEK; Tyrosine-protein kinase receptor
This gene encodes a receptor that belongs to the protein tyrosine kinase Tie2 family. The encoded protein possesses a unique extracellular region that contains two immunoglobulin-like domains, three epidermal growth factor (EGF)-like domains and three fibronectin type III repeats. The ligand angiopoietin-1 binds to this receptor and mediates a signaling pathway that functions in embryonic vascular development. Mutations in this gene are associated with inherited venous malformations of the skin and mucous membranes. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Feb 2014],

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using TIE2 Antibody. The picture on the right is blocked with the synthesized peptide.



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