

Tie-2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP09018
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human TIE2. AA range:1068-1117
Mol wt	125811
Species reactivity	Human, Mouse
Clonality	Polyclonal
Recommended application	IHC-p, WB, ELISA
Concentration	1 mg/ml
Full name	Tie-2 Antibody
Synonyms	TEK; TIE2; VMCM; VMCM1; Angiopoietin-1 receptor; Endothelial tyrosine kinase; Tunica interna endothelial cell kinase; Tyrosine kinase with Ig and EGF homology domains-2; Tyrosine-protein kinase recept

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

TEK (TEK receptor tyrosine kinase) 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 TEK 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 TEK have been described, but their full-length nature is not known.

Recommended Dilution

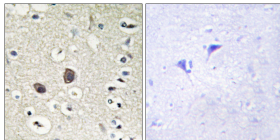
WB: 1: 500 - 2000

ELISA: 1: 5000

IHC: 1: 100 - 1: 300

Not yet tested in other applications.

Images



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

Storage

-20°C for one year