



# Rabbit Anti-Human TEK (Phospho-Tyr1102) polyclonal antibody (CABT-L4144)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	This antibody detects endogenous levels of TIE2 only when phosphorylated at Tyr1102.
<b>Specificity</b>	Target Modification: Phospho. Modification Sites: Human: Y1102; Mouse: Y1100
<b>Target</b>	Human TIE2 (Phospho-Tyr1102)
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human TIE2 around the phosphorylation site of Tyr1102. Immunogen range: 1068-1117
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Purification</b>	Affinity Purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC, ELISA
<b>Molecular Weight</b>	125 kDa
<b>Preparation</b>	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	100 µl
<b>Buffer</b>	Rabbit IgG in PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl and 50% glycerol.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Stable at -20°C for at least 1 year.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	TEK;TEK tyrosine kinase, endothelial;TIE2;VMCM;TIE-2;VMCM1;CD202B;angiopoietin-1 receptor;endothelial tyrosine kinase;tyrosine-protein kinase receptor TEK;tunica interna endothelial cell kinase;tyrosine-protein kinase receptor TIE-2;tyrosine kinase with Ig and EGF homology domains-2;

## GENE INFORMATION

<b>Gene Name</b>	TEK TEK tyrosine kinase, endothelial [ Homo sapiens (human) ]
<b>Official Symbol</b>	TEK
<b>Synonyms</b>	Tyrosine-protein kinase receptor TIE-2, hTIE2, Tyrosine-protein kinase receptor TEK, p140 TEK, Tunica interna endothelial cell kinase, CD202b antigen
<b>Entrez Gene ID</b>	<a href="#">7010</a>
<b>UniProt ID</b>	<a href="#">Q02763</a>