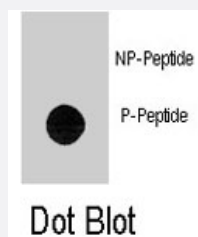


TEK (phospho Y1113) polyclonal antibody

Catalog # PAB8171 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of TEK (phospho Y1113) polyclonal antibody (Cat # PAB8171) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of TEK.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y1113 of human TEK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

Dot blot analysis of TEK (phospho Y1113) polyclonal antibody (Cat # PAB8171) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Gene Info — TEK

Entrez GeneID [7010](#)

Protein Accession# [Q02763](#)

Gene Name TEK

Gene Alias CD202B, TIE-2, TIE2, VMCM, VMCM1

Gene Description TEK tyrosine kinase, endothelial

Omim ID [600195](#) [600221](#)

Gene Ontology [Hyperlink](#)

Gene Summary The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin type III-like repeats. The ligand for the receptor is angiopoietin-1. Defects in TEK are associated with inherited venous malformations; the TEK signaling pathway appears to be critical for endothelial cell-smooth muscle cell communication in venous morphogenesis. TEK is closely related to the TIE receptor tyrosine kinase. [provided by RefSeq]

Other Designations OTTHUMP00000021167|soluble TIE2 variant 1|soluble TIE2 variant 2

Publication Reference

- [Tie2 receptor tyrosine kinase, a major mediator of tumor necrosis factor alpha-induced angiogenesis in rheumatoid arthritis.](#)

DeBusk LM, Chen Y, Nishishita T, Chen J, Thomas JW, Lin PC.

Arthritis and Rheumatism 2003 Sep; 48(9):2461.

- [Expression of Tie-2 in human peripheral and autonomic nervous system.](#)

Poncet S, Gasc JM, Janzer RC, Meyer S, Juillerat-Jeanneret L.

Neuropathology and Applied Neurobiology 2003 Aug; 29(4):361.

- [Tie-2-dependent activation of RhoA and Rac1 participates in endothelial cell motility triggered by angiopoietin-1.](#)

Cascone I, Audero E, Giraudo E, Napione L, Maniero F, Philips MR, Collard JG, Serini G, Bussolino F.

Blood 2003 Oct; 102(7):2482.

Disease

- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Kidney Failure](#)
- [Tobacco Use Disorder](#)
- [Vascular Malformations](#)