Datasheet for ABIN389946

anti-TEK antibody (pTyr1113)

1 Image

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Overview

Quantity:	400 µL
Target:	TEK
Binding Specificity:	pTyr1113
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TEK antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This TEK Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1113 of human TEK.
Clone:	RB15213
Isotype:	Ig Fraction
Predicted Reactivity:	B, Zf, M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TEK
Alternative Name:	TEK (TEK Products)

Target Details

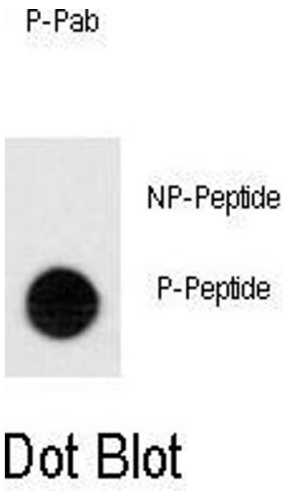
Background:	The TEK receptor tyrosine kinase is expressed almost exclusively in endothelial cells in mice, rats, and humans. This receptor possesses a unique extracellular domain containing 2 immunoglobulin-like loops separated by 3 epidermal growth factor-like repeats that are connected to 3 fibronectin 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.
Molecular Weight:	125830
Gene ID:	83659
NCBI Accession:	NP_000450
UniProt:	Q02763
Pathways:	RTK Signaling, Growth Factor Binding

Application Details

Application Notes:	DB: 1:500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



Dot Blot

Image 1. Dot blot analysis of anti-Phospho-TEK-p Antibody (ABIN389946 and ABIN2839755) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 µg per ml.