

Datasheet for ABIN3031549

anti-VEGFR2/CD309 antibody (pTyr1175)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	pTyr1175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	ELISA, Dot Blot (DB)

Product Details

Immunogen:	This phospho-KDR antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pY1175 of human KDR.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR (VEGFR2 Products)
Background:	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert

Target Details

domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin $\alpha V\beta 3$, T-cell protein tyrosine phosphatase, etc..

UniProt: [P35968](#)

Pathways: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Growth Factor Binding](#), [Regulation of long-term Neuronal Synaptic Plasticity](#), [VEGF Signaling](#)

Application Details

Application Notes: Titration of the phospho-KDR antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Dot blot: 1:500

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In 1X PBS, pH 7.4, with 0.09 % 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: -20 °C

Storage Comment: Aliquot the phospho-KDR antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



NP-Peptide

P-Peptide

Dot Blot

Image 1. Dot blot analysis of phospho-KDR antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.



NP-Peptide

P-Peptide

Dot Blot

Image 2. Dot blot analysis of phospho-KDR antibody. 50ng of phos-peptide or nonphos-peptide per dot were spotted.