

Datasheet for ABIN7138916

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

Overview

Quantity:	100 µL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	pTyr1175
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 1175 (K-D-Y(p)-I-V) derived from Human VEGFR2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	KDR (VEGFR2 Products)

Target Details

Background:	Background: Receptor for VEGF or VEGFC. Has a tyrosine-protein kinase activity. The VEGF-kinase ligand/receptor signaling system plays a key role in vascular development and regulation of vascular permeability. In case of HIV-1 infection, the interaction with extracellular viral Tat protein seems to enhance angiogenesis in Kaposi's sarcoma lesions Lamallice L, et al. (2004). Oncogene.23(2): 434-445. Takahashi T, et al. (2001). EMBO J .20(11): 2768-2778. Aliases: CD309 antibody, CD309 antigen antibody, EC 2.7.10.1 antibody, Fetal liver kinase 1 antibody, FLK-1 antibody, FLK1 antibody, FLK1, mouse, homolog of antibody, Kdr antibody, Kinase insert domain receptor (a type III receptor tyrosine kinase) antibody, Kinase insert domain receptor antibody, KRD1 antibody, Ly73 antibody, Protein tyrosine kinase receptor FLK1 antibody, Protein-tyrosine kinase receptor flk-1 antibody, soluble VEGFR2 antibody, Tyrosine kinase growth factor receptor antibody, Vascular endothelial growth factor receptor 2 antibody, VEGFR 2 antibody, VEGFR antibody, VEGFR-2 antibody, VEGFR2 antibody, VGFR2_HUMAN antibody
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:	IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only

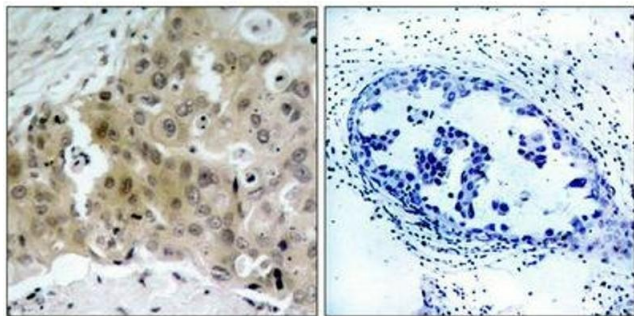
Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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,-80 °C

Handling

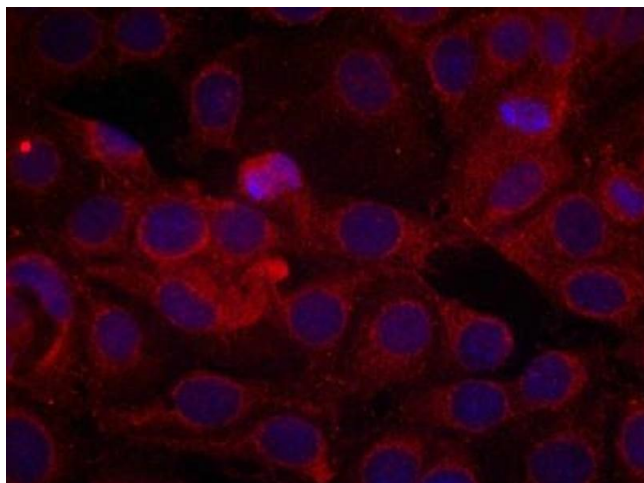
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Phospho-Tyr1175) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence

Image 2. Immunofluorescence staining of methanol-fixed MCF cells using VEGFR2(Phospho-Tyr1175) Antibody.