Datasheet for ABIN7303694

anti-VEGFR2/CD309 antibody (C-Term, pTyr1214)

3 Images

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Overview

Quantity:	100 µL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	C-Term, pTyr1214
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human VEGFR2 (pY1214).
Specificity:	Recognizes endogenous levels of VEGFR2 (pY1214) protein.
Characteristics:	Rabbit polyclonal antibody to VEGFR2 (pY1214)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

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

Target Details

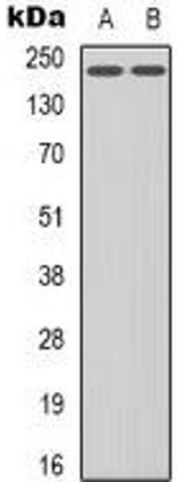
Background:	FLK1, VEGFR2, Vascular endothelial growth factor receptor 2, VEGFR-2, Fetal liver kinase 1, FLK-1, Kinase insert domain receptor, KDR, Protein-tyrosine kinase receptor flk-1, CD309
Gene ID:	3791, 25589
UniProt:	P35968, P35918, O08775
Pathways:	RTK Signaling, Glycosaminoglycan Metabolic Process, Signaling Events mediated by VEGFR1 and VEGFR2, Growth Factor Binding, Regulation of long-term Neuronal Synaptic Plasticity, VEGF Signaling

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

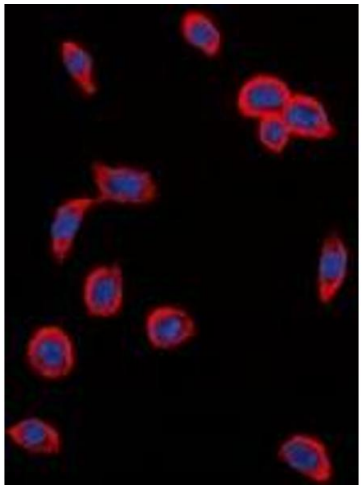
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



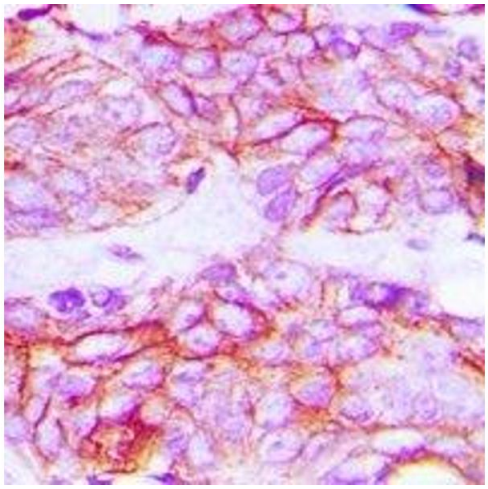
Western Blotting

Image 1. Western blot analysis of VEGFR2 (pY1214) expression in HuvEc (A), HepG2 (B) whole cell lysates.



Immunofluorescence

Image 2. Immunofluorescent analysis of VEGFR2 (pY1214) staining in MCF cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary



Immunohistochemistry

Image 3. Immunohistochemical analysis of VEGFR2 (pY1214) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then in