

Datasheet for ABIN1531999

anti-VEGFR2/CD309 antibody (pTyr1214)



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2 Images

Overview

Quantity:	100 µL
Target:	VEGFR2/CD309 (VEGFR2)
Binding Specificity:	AA 1180-1229, pTyr1214
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VEGFR2/CD309 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human VEGFR2 around the phosphorylation site of Tyr1214.
Isotype:	IgG
Specificity:	VEGFR2 (Phospho-Tyr1214) Antibody detects endogenous levels of VEGFR2 only when phosphorylated at Tyr1214. PhosphorylationH:Y1214 M:Y1212 R:Y1210
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

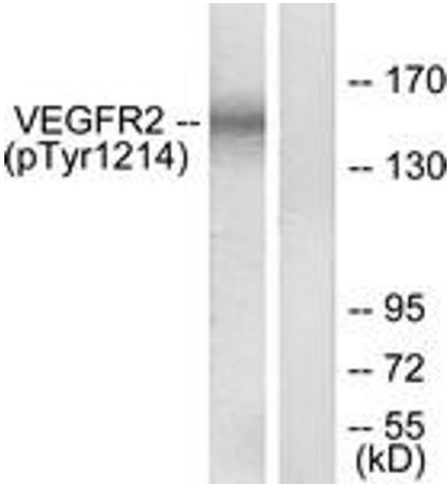
Target:	VEGFR2/CD309 (VEGFR2)
Alternative Name:	VEGFR2 (VEGFR2 Products)
Background:	Synonyms: FLK1, KDR, kinase insert domain receptor, protein-tyrosine kinase receptor Flk-1, vascular endothelial growth factor receptor 2, VGFR2, VGR2 NCBI Gene Symbol: KDR
Molecular Weight:	151 kDa
Gene ID:	3791
OMIM:	191306
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:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Comment:	Unigene-Number: Hs.479756 (NCBI Gene Symbol: KDR)
Restrictions:	For Research Use only

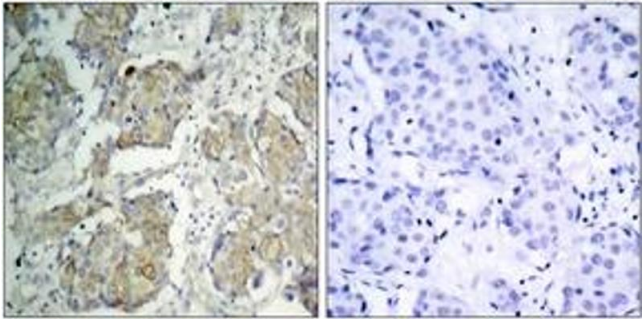
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	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
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of extracts from HepG2 cells treated with Na₃VO₄ 0.3nM 40', using VEGFR2 (Phospho-Tyr1214) Antibody. The lane on the right is treated with the synthesized peptide.



Immunohistochemistry

Image 2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using VEGFR2 (Phospho-Tyr1214) Antibody. The picture on the right is treated with the synthesized peptide.