VEGFR2(Phospho-Tyr951) Antibody

Catalog No: #11086

Package Size: #11086-1 50ul #11086-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	VEGFR2(Phospho-Tyr951) Antibody
Host Species	Rabbit
Clonality	Polyclonal
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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of VEGFR2 only when phosphorylated at tyrosine 951.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 951 (K-D-Y(p)-V-G) derived from Human VEGFR2.
Conjugates	Unconjugated
Target Name	VEGFR2
Modification	Phospho
Other Names	FLK1; KDR; VGFR2; VGR2; kinase insert domain receptor
Accession No.	Swiss-Prot: P35968NCBI Protein: NP_002244.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

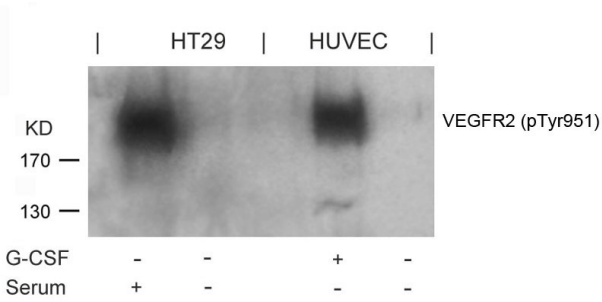
Predicted MW: 230kd

Western blotting: 1:500~1:1000

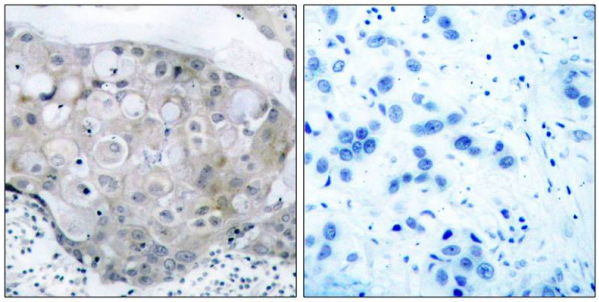
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

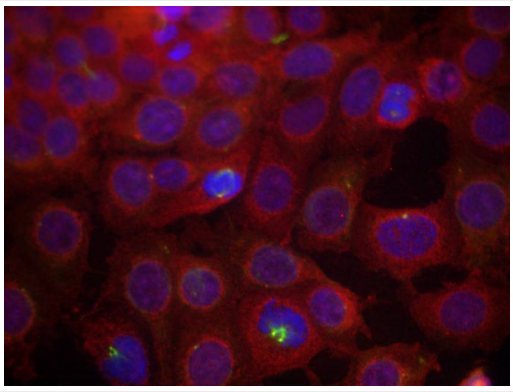
Images



Western blot analysis of extracts from G-CSF-treated HUVEC and serum-treated HT29 cells using VEGFR2(Phospho-Tyr951) Antibody #11086.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Phospho-Tyr951) Antibody #11086(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using VEGFR2(Phospho-Tyr951) Antibody #11086.

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

Zeng H, et al. (2001) J Biol Chem. 276(35): 32714-32719.

Dougher M, et al. (1999) Oncogene. 18(8): 1619-1627.

Published Papers

el at., CD146 acts as a novel receptor for netrin-1 in promoting angiogenesis and vascular development.In Cell Res on 2015 Mar by Wei Chen, Yan Liu et al..PMID:25656845, , (2015)

PMID:25656845

el at., Possible involvement of VEGF signaling system in rescuing effect of endogenous acetylcholine on NMDA-induced long-lasting hippocampal cell damage in organotypic hippocampal slice cultures. In Neurochem Int on 2014 Sep by Chikako Inada, Yimin Niu,et al..PMID:24911952, , (2014)

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el at., Evidence for pro-angiogenic functions of VEGF-Ax. In Cell on 2016 Sep 22 by Hong Xin, Cuiling Zhong,et al..PMID:27662093, , (2016)

PMID:27662093

Note: This product is for in vitro research use only and is not intended for use in humans or animals.