

KDR / VEGFR-2 Antibody

Catalog No: #48311



Package Size: #48311-1 50ul #48311-2 100ul

Orders: order@signalwayantibody.com

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Description

Product Name	KDR / VEGFR-2 Antibody
Host Species	Mouse
Clone No.	1G1
Purification	ProA affinity purified
Applications	WB, IP, IF, IHC(P)
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Amino acids 1158-1345 mapping at the C-terminus of the Flk-1 of mouse origin.
Conjugates	Unconjugated
Other Names	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
Accession No.	Swiss-Prot#:P35968
Calculated MW	200kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

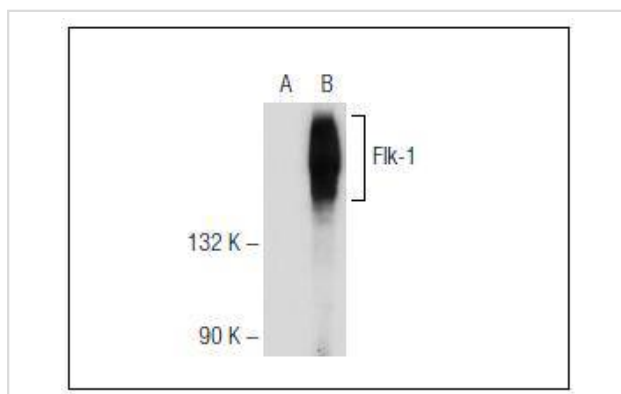
Application Details

WB: 1:100-1:1,000

IHC: 1:50-1:500

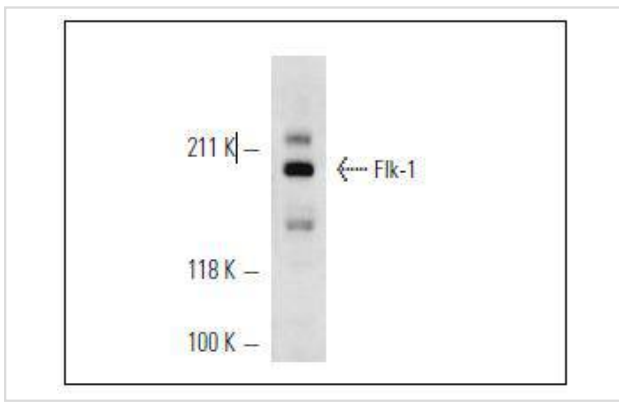
IP: 1-2 μg per 100-500 μg of total protein(1 ml of cell lysate)

Images



Western blot analysis of Flk-1 expression in non-transfected (A) and mouse Flk-1 transfected (B) 293T whole cell lysates.

Western blot analysis of Flk-1 expression in VEGF-treated HUV-EC-C whole cell lysate.



Background

Three cell membrane receptor tyrosine kinases, Flt (also designated VEGF-R1), Flk-1 (also designated VEGF-R2) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulinlike sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs). On the basis of structural similarity to Flt and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

References

1. Liu, F., et al. 2012. Upregulation of microRNA-210 regulates renal angiogenesis mediated by activation of VEGF signaling pathway under ischemia/perfusion injury in vivo and in vitro. *Kidney Blood Press. Res.* 35: 182-191.
2. Toledo, A.C., et al. 2012. Aerobic exercise attenuates pulmonary injury induced by exposure to cigarette smoke. *Eur. Respir. J.* 39: 254-264.
3. Kafousi, M., et al. 2012. Immunohistochemical study of the angiogenic network of VEGF, HIF1 α , VEGFR-2 and endothelial nitric oxide synthase (eNOS) in human breast cancer. *Pathol. Oncol. Res.* 18: 33-41.

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