

VEGFR2(Ab-951) Antibody

Catalog No: #21079



Package Size: #21079-1 50ul #21079-2 100ul #21079-4 25ul

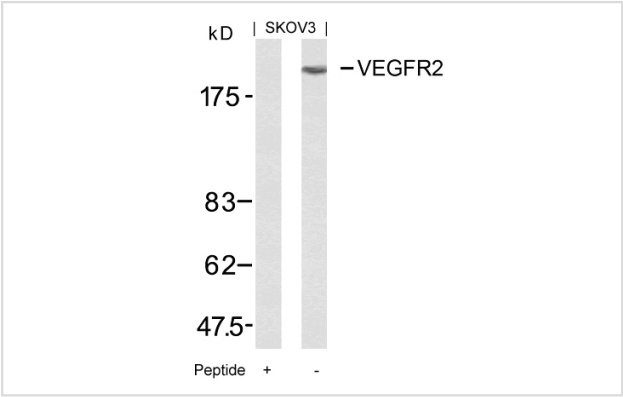
Overview

Product Name	VEGFR2(Ab-951) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	VEGFR2
Alternative Names	FLK1; KDR; VGFR2; VGR2; kinase insert domain receptor

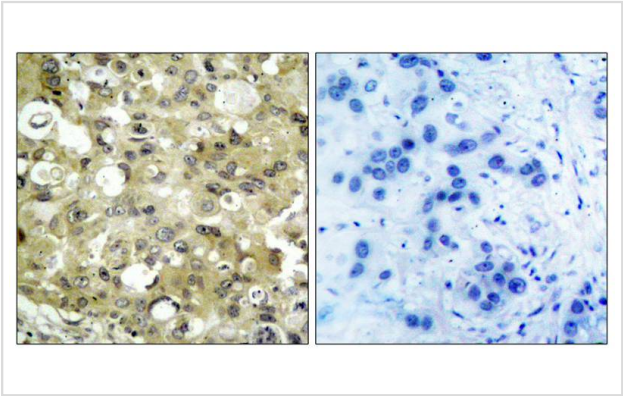
Application Details

Predicted MW: 230kd
Western blotting: 1:500~1:1000
Immunohistochemistry: 1:50~1:100
Immunofluorescence: 1:100~1:200

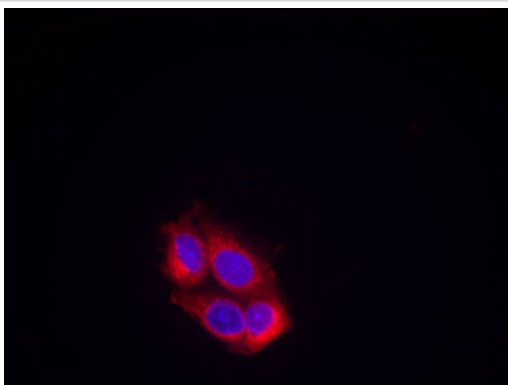
Images



Western blot analysis of extracts from SKOV3 cells using VEGFR2(Ab-951) Antibody #21079 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Ab-951) Antibody #21079(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF cells using VEGFR2(Ab-951) Antibody #21079.

Descriptions

Immunogen	Peptide sequence around aa.949~953 (K-D-Y-V-G) derived from Human VEGFR2.
Specificity	The antibody detects endogenous level of total VEGFR2 protein.
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.
Accession NO.	Swiss-Prot: P35968NCBI Protein: NP_002244.1

Related Information

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

Qi Zhao, Takako Yokozawa, Koichi Tsuneyama et al., Chotosan (Diateng San)-induced improvement of cognitive deficits in senescence-accelerated mouse (SAMP8) involves the amelioration of angiogenic/neurotrophic factors and neuroplasticity systems in the brain., Chinese Medicine, Volume 6, Number 1, 33(2011)

[PMID:21943225](#)

Qi Zhao, Takako Yokozawa, Noriko Yamabe et al., Kangen-karyu improves memory deficit caused by aging through normalization of neuro-plasticity-related signaling system and VEGF system in the brain., Journal of Ethnopharmacology, 131(2):377-385(2010)

[PMID:20637274](#)

Qi Zhao, Yimin Niu, Kinzo Matsumoto et al., Chotosan ameliorates cognitive and emotional deficits in an animal model of type 2 diabetes: possible involvement of cholinergic and VEGF/PDGF mechanisms in the brain., BMC Complementary and Alternative Medicine., 12:188(2012)

[PMID:23082896](#)

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