

## VEGFR2(Ab-951) Antibody

Catalog No: #21079



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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	VEGFR2(Ab-951) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total VEGFR2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.949~953 (K-D-Y-V-G) derived from Human VEGFR2.
Target Name	VEGFR2
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 Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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

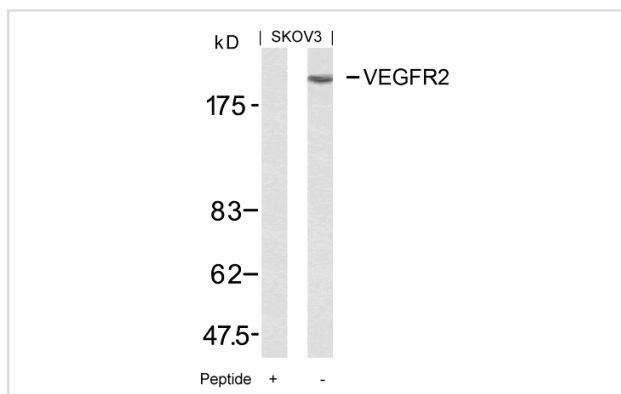
Predicted MW: 230kd

Western blotting: 1:500~1:1000

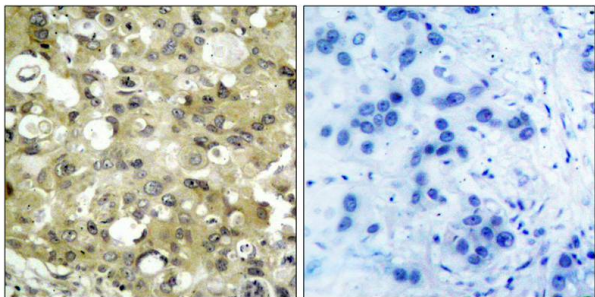
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

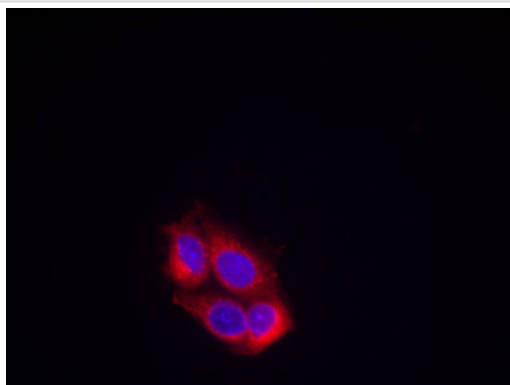
## Images



Western blot analysis of extracts from 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.

## 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

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.