

VEGFR2(Ab-951) Antibody

Catalog No: #21079

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

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
Uniprot	P35968
GeneID	3791;
Concentration	1.0mg/ml
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.

Application Details

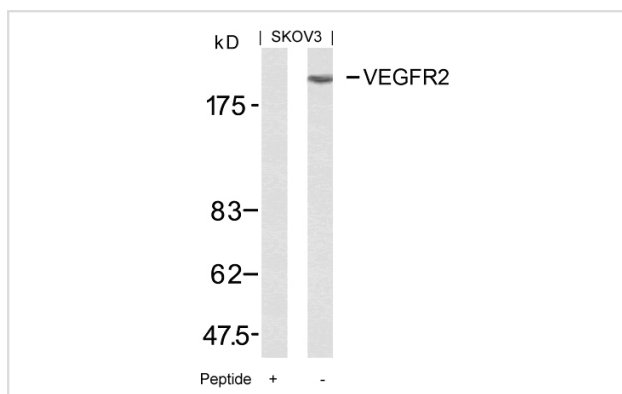
Predicted MW: 230kd

Western blotting: 1:500~1:1000

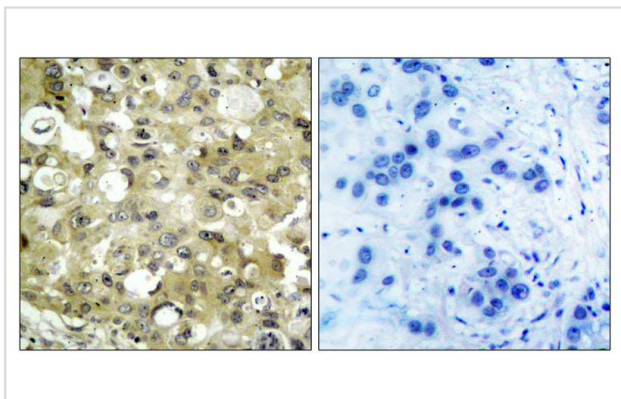
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

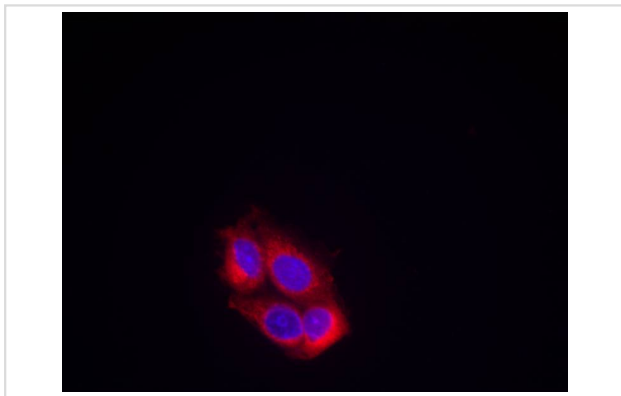
Images



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.

Note: This product is for in vitro research use only