

VEGFR2(Ab-1214) Antibody

Catalog No: #21078

Package Size: #21078-1 50ul #21078-2 100ul

Description

Product Name	VEGFR2(Ab-1214) 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 Ms Rt
Specificity	The antibody detects endogenous level of total VEGFR2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1212~1216 (F-H-Y-D-N) derived from Human VEGFR2.
Conjugates	Unconjugated
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 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.

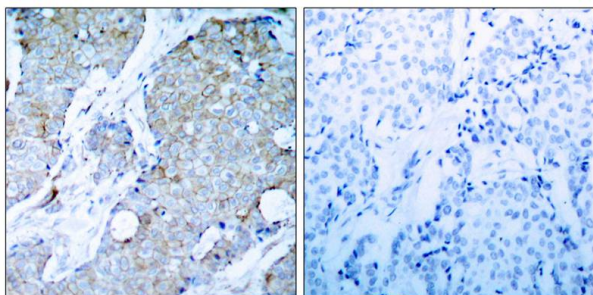
Application Details

Predicted MW: 230kd

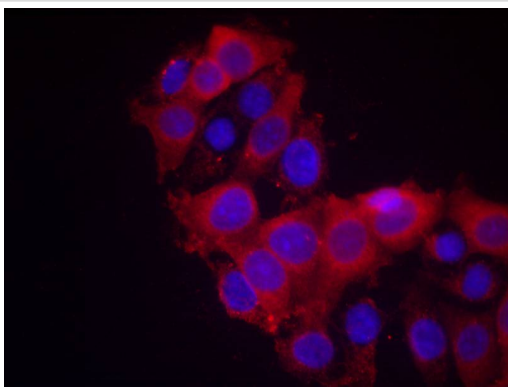
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Ab-1214) Antibody #21078(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF cells using VEGFR2(Ab-1214) Antibody #21078.

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

Lamalice L, et al. (2004). *Oncogene*.23(2): 434-445.

Takahashi T, et al. (2001). *EMBO J* .20(11): 2768-2778.

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