

VEGFR2(Phospho-Tyr951) Antibody

Catalog No: #11086

Package Size: #11086-1 50ul #11086-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | VEGFR2(Phospho-Tyr951) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB IHC IF |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of VEGFR2 only when phosphorylated at tyrosine 951. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 951 (K-D-Y(p)-V-G) derived from Human VEGFR2. |
| Target Name | VEGFR2 |
| Modification | Phospho |
| 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

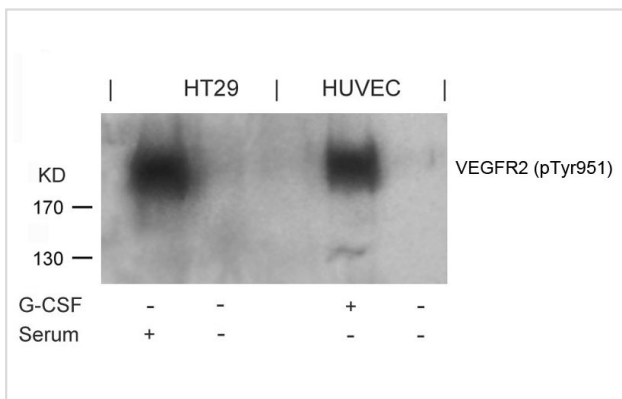
Predicted MW: 230kd

Western blotting: 1:500~1:1000

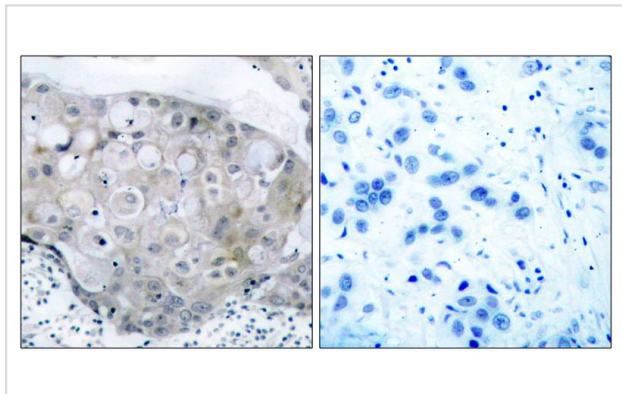
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

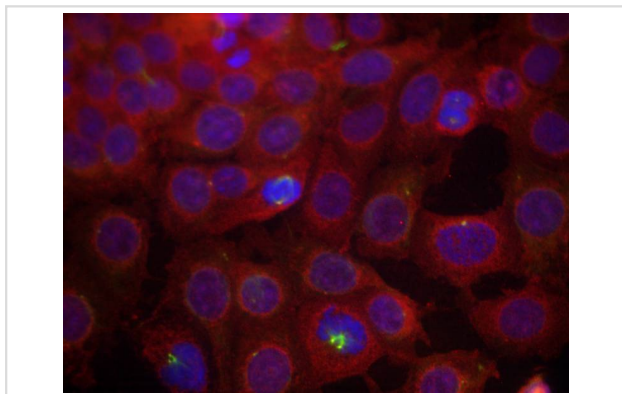
Images



Western blot analysis of extracts from G-CSF-treated HUVEC and serum-treated HT29 cells using VEGFR2(Phospho-Tyr951) Antibody #11086.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Phospho-Tyr951) Antibody #11086(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed MCF7 cells using VEGFR2(Phospho-Tyr951) Antibody #11086.

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