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35-1432: Polyclonal Antibody to VEGFR2 (Ab-1214)

Clonality: Polyclonal Application: WB,IHC,IF

Reactivity: Human, Mouse, Rat

Gene : KDR
Gene ID : 3791
Uniprot ID : P35968
Format : Purified

Alternative Name: FLK1, KDR, VGFR2, VGR2, kinase insert domain receptor

Isotype: Rabbit IgG

Immunogen Information: Peptide sequence around aa.1212~1216 (F-H-Y-D-N) derived from Human VEGFR2.

Description

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.

Product Info

Amount : 50 μl / 100 μl

Content: Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM

NaCl, 0.02% sodium azide and 50% glycerol.

Storage condition : Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Predicted MW: 230kd, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

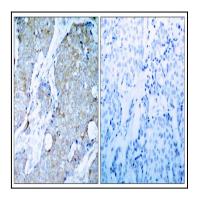


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Ab-1214) Antibody 35-1432 (left) or the same antibody preincubated with blocking peptide(right).



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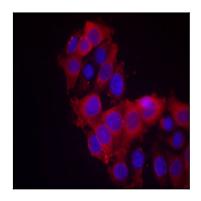


Figure 2: Immunofluorescence staining of methanol-fixed MCF cells using VEGFR2(Ab-1214) Antibody 35-1432 .