

### 35-1431: Polyclonal Antibody to VEGFR2 (Ab-1175)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB,IHC,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	KDR
<b>Gene ID :</b>	3791
<b>Uniprot ID :</b>	P35968
<b>Format :</b>	Purified
<b>Alternative Name :</b>	FLK1, KDR, VEGFR2, VGR2, kinase insert domain receptor
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa.1173~1177 (K-D-Y-I-V) 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

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	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.
<b>Storage condition :</b>	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

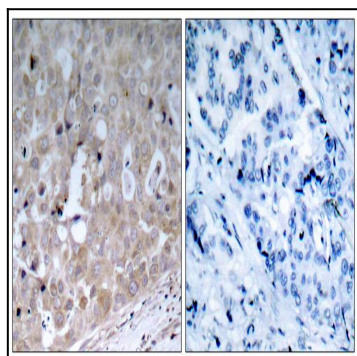


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using VEGFR2(Ab-1175) Antibody 35-1431 (left) or the same antibody preincubated with blocking peptide(right).

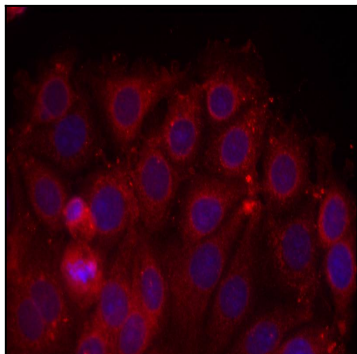


Figure 2: Immunofluorescence staining of methanol-fixed MCF cells using VEGFR2(Ab-1175) Antibody 35-1431 .