

# Phospho-VEGF Receptor 2-Y1175 Rabbit mAb

Catalog No.: AP1494 Recombinant 1 Publications

### **Basic Information**

### **Observed MW**

230 kDa

### **Calculated MW**

152 kDa

## Category

Primary antibody

### **Applications**

WB,ELISA

### **Cross-Reactivity**

Human

### CloneNo number

ARC66441

## **Background**

Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

## **Recommended Dilutions**

**WB** 1:2000 - 1:5000

**ELISA** 

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

## **Immunogen Information**

**Gene ID**3791

Swiss Prot
P35968

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

## **Synonyms**

FLK1; CD309; VEGFR; VEGFR2

## **Contact**

2		400-999-6126
$\bowtie$	Τ	cn.market@abclonal.com.cn
•	Т	www.abclonal.com.cn

### **Product Information**

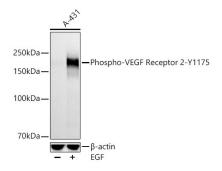
SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## **Validation Data**



Western blot analysis of lysates from A-431 cells using Phospho-VEGF Receptor 2-Y1175 Rabbit mAb (AP1494) at 1:3900 dilution incubated overnight at  $4^{\circ}$ C. A-431 cells were treated by EGF (50 ng/ml) at  $37^{\circ}$ C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 30 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.