

# Phospho-VEGF Receptor 2-Y1175 Rabbit pAb

Catalog No.: AP1095

## Basic Information

### Observed MW

230kDa

### Calculated MW

152kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human, Mouse, Rat

## 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  $\alpha V\beta 3$ , T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

3791

### Swiss Prot

P35968

### Immunogen

A synthetic phosphorylated peptide around Y1175 of human VEGF Receptor 2 (NP\_002244.1).

### Synonyms

FLK1; CD309; VEGFR; VEGFR2; Phospho-VEGF Receptor 2-Y1175

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

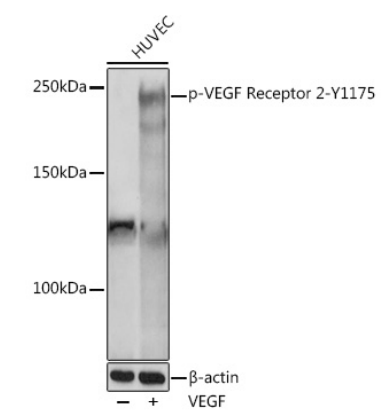
Affinity purification

### Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of various lysates using Phospho-VEGF Receptor 2-Y1175 pAb (AP1095) at 1:1000 dilution. HUVEC cells were treated by VEGF (100 ng/mL) at 37°C for 5 minutes after serum-starvation overnight.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 10s.