

# Phospho-VEGF Receptor 2-Y1175 Rabbit pAb

Catalog No.: AP0382

16 Publications

## 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

1:100 - 1:500

## 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**

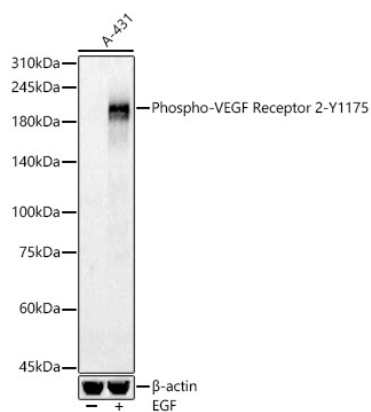
Affinity purification

**Storage**

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of A-431, using Phospho-VEGF Receptor 2-Y1175 antibody (AP0382) at 1:500 dilution. A-431 cells were treated by EGF (100 ng/ml) at 37°C for 30 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: 1s.