

Phospho-VEGF Receptor 2-Y1175 Rabbit mAb

Catalog No.: AP1494 **Recombinant**

Basic Information

Observed MW

230kDa

Calculated MW

152kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse

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

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

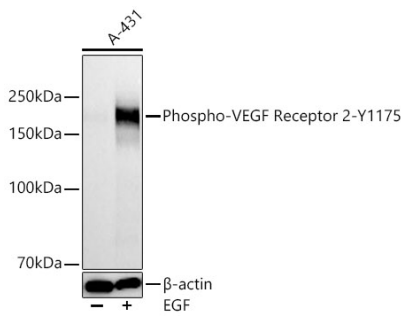
Affinity purification

Storage

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

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

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°C. A-431 cells were treated by EGF (50 ng/ml) at 37°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.