

AP0529

Leader in Biomolecular Solutions for Life Science



# Phospho-FLT3-Y589/591 Rabbit pAb

Catalog No.: AP0529

## Basic Information

### Observed MW

160kDa

### Calculated MW

113kDa

### Category

Polyclonal Antibody

### Applications

WB,ELISA

### Cross-Reactivity

Human

## Background

This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. This receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.

## Recommended Dilutions

WB 1:100 - 1:500

## Immunogen Information

### Gene ID

2322

### Swiss Prot

P36888

### Immunogen

A synthetic phosphorylated peptide around Y589 & Y591 of human FLT3 (NP\_004110.2).

### Synonyms

FLK2; STK1; CD135; FLK-2; Phospho-FLT3-Y589/591

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

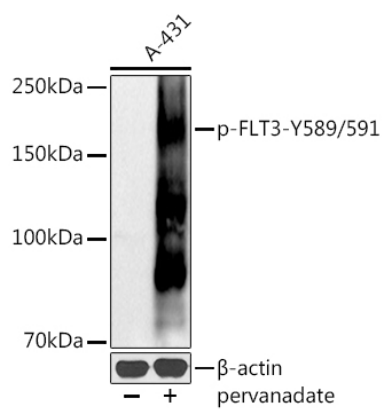
Affinity purification

### 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 lysates from A-431 cells, using Phospho-FLT3-Y589/591 Rabbit pAb (AP0529) at 1:500 dilution. A-431 cells were treated by pervanadate (1 mM) 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: 90s.