

# Phospho-FLT3-Y589/591 Rabbit Polyclonal Antibody

## CABP0529



### Product Information

**Size:**

20uL, 50uL, 100uL, 200uL

**Observed MW:**

113kDa

**Calculated MW:**

108kDa/112kDa

**Applications:**

WB

**Reactivity:**

Human

### Protein 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.

### Immunogen information

**Gene ID:**

2322

**Uniprot**

P36888

**Synonyms:**

FLT3; CD135; FLK-2; FLK2; STK1

### Antibody Information

**Recommended dilutions:**

WB 1:500 - 1:2000

**Source:**

Rabbit

**Isotype:**

IgG

**Purification:**

Affinity purification

**Immunogen:**

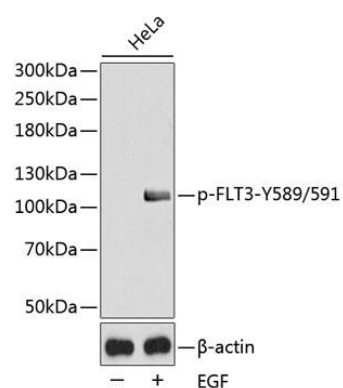
A synthetic phosphorylated peptide around Y589 & Y591 of human FLT3 (NP\_004110.2).

**Storage:**

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of various cell lines, using Phospho-FLT3-Y589/591 antibody (CABP0529). Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA.