

**Product Name: Flt-3 (phospho Tyr842) Rabbit Polyclonal Antibody**  
**Catalog #: APRab04686**

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## Summary

<b>Production Name</b>	Flt-3 (phospho Tyr842) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	FLT3 FLT3; CD135; FLK2; STK1; Receptor-type tyrosine-protein kinase FLT3; FL cytokine receptor; Fetal liver kinase-2; FLK-2; Fms-like tyrosine kinase 3; FLT-3; Stem cell tyrosine kinase 1; STK-1; CD antigen CD135
<b>Alternative Names</b>	
<b>Gene ID</b>	2322.0
<b>SwissProt ID</b>	P36888.The antiserum was produced against synthesized peptide derived from human FLT3 around the phosphorylation site of Tyr842. AA range:808-857

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:10000
<b>Molecular Weight</b>	170kD

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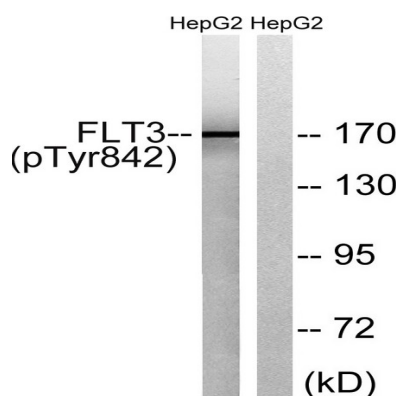
## Background

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. [provided by RefSeq, Jan 2015],catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for the FL cytokine. Has a tyrosine-protein kinase activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with FLZ1 following ligand activation.,tissue specificity:Bone marrow cells.,

## Research Area

Cytokine-cytokine receptor interaction;Hematopoietic cell lineage;Pathways in cancer;Acute myeloid leukemia;

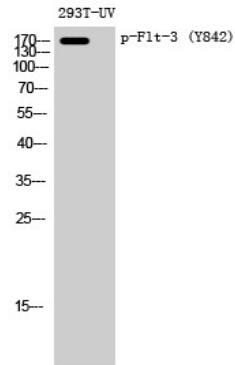
## Image Data



Western blot analysis of lysates from HepG2 cells treated with EGF 200ng/ml 30', using FLT3 (Phospho-Tyr842) Antibody. The lane on the right is blocked with the phospho peptide.

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Western Blot analysis of 293T-UV cells using Phospho-Flt-3 (Y842) Polyclonal Antibody diluted at 1: 1000

### **Note**

For research use only.