



## Rabbit Anti-Phospho-FLT3 (Tyr589) antibody

SL16182R

<b>Product Name:</b>	Phospho-FLT3 (Tyr589)
<b>Chinese Name:</b>	磷酸化FMS样酪氨酸激酶3抗体
<b>Alias:</b>	p-Flt3 / CD135 (phospho Y589); Flt3 (phospho Y589); CD135 (phospho Y589); p-CD135 (phospho Y589); p-Flt3 (phospho Y589); CD 135; CD135; CD135 antigen; Fetal liver kinase 2; FL cytokine receptor; Flk 2; Flk2; Flt 3; FLT-3; Flt3; FLT3_HUMAN; FMS like tyrosine kinase 3; Fms related tyrosine kinase 3; Fms-like tyrosine kinase 3; Growth factor receptor tyrosine kinase type III; Ly-72; OTTHUMP0000004234; Receptor type tyrosine protein kinase FLT3; Stem cell tyrosine kinase 1; Stk 1; STK-1; Stk1; Tyrosine protein kinase receptor FLT3; Tyrosine-protein kinase receptor FLT3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	130-160kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human FLT3 around the phosphorylation site of Tyr589:NE(p-Y)FY
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PubMed:**[PubMed](#)

This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transmembrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. The 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, Jul 2008]

**Function:**

Receptor for the FL cytokine. Has a tyrosine-protein kinase activity.

**Subcellular Location:**

Membrane.

**Tissue Specificity:**

Bone marrow cells.

**Similarity:**

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 protein kinase domain.

**SWISS:**

P36888

**Gene ID:**

2322

**Database links:**

[Entrez Gene: 2322](#) Human

[Omim: 136351](#) Human

[SwissProt: P36888](#) Human

[Unigene: 507590](#) Human

**Important Note:****Product Detail:**

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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