

FLT3

Reactivity: Human Mouse

Tested applications: WB IHC

Recommended Dilution: WB 1:200 - 1:500 IHC 1:50 - 1:100

Calculated MW: 113kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human FLT3

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

FLT3;CD135;FLK2;STK1

Catalog #: A0081

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2322

Isotype: IgG

Swiss Prot: P36888

Purity: Affinity purification

For research use only.

Background:

FMS-related tyrosine kinase 3 (FLT3, also called Flk2), is a member of the type III receptor tyrosine kinase family, which includes c-Kit, PDGFR and M-CSF receptors. FLT3 is expressed on early hematopoietic progenitor cells and supports growth and differentiation within the hematopoietic system (1,2). FLT3 is activated after binding with its ligand FL, which results in a cascade of tyrosine autophosphorylation and tyrosine phosphorylation of downstream targets (3). The p85 subunit of PI3 kinase, SHP2, GRB2 and Shc are associated with FLT3 after FL stimulation (4-6). Tyr589/591 is located in the juxtamembrane region of FLT3 and may play an important role in regulation of FLT3 tyrosine kinase activity. Somatic mutations of FLT3 consisting of internal tandem duplications (ITDs) occur in 20% of patients with acute myeloid leukemia (7).

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