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| <b>Antibody type:</b>     | Polyclonal Antibody   |
| <b>Applications:</b>      | WB  |
| <b>Reactivity:</b>        | Human   |
| <b>Molecular Weight:</b>  | 113kDa  |
| <b>Immunogen:</b>         | A phospho specific peptide corresponding to residues surrounding Y589/591 of human FLT3   |
| <b>Gene ID:</b>           | 2322  |
| <b>Swiss-Prot No.:</b>    | P36888  |
| <b>Altename:</b>          | CD135;FLK-2;FLK2;STK1   |
| <b>Source:</b>            | Rabbit  |
| <b>Isotype:</b>           | IgG   |
| <b>Purification:</b>      | Affinity purification   |
| <b>Storage/Stability:</b> | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.  |
| <b>Background:</b>        | 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 |

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|                               | 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. |
| <b>Dilution:</b>              | WB 1:500 - 1:2000  |
| <b>Shipping&amp;Stablity:</b> | Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.   |