

## Flt3 rabbit pAb

**Cat#: orb768198 (Manual)**

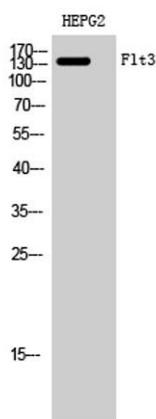
For research use only. Not intended for diagnostic use.

|                                 |   |
|---------------------------------|---|
| <b>Product Name</b>             | Flt3 rabbit pAb   |
| <b>Host species</b>             | Rabbit  |
| <b>Applications</b>             | WB;IHC;IF;ELISA   |
| <b>Species Cross-Reactivity</b> | Human;Rat;Mouse;  |
| <b>Recommended dilutions</b>    | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.   |
| <b>Immunogen</b>                | The antiserum was produced against synthesized peptide derived from human FLT3. AA range:565-614  |
| <b>Specificity</b>              | Flt3 Polyclonal Antibody detects endogenous levels of Flt3 protein.   |
| <b>Formulation</b>              | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..  |
| <b>Storage</b>                  | Store at -20°C. Avoid repeated freeze-thaw cycles.  |
| <b>Protein Name</b>             | Receptor-type tyrosine-protein kinase FLT3  |
| <b>Gene Name</b>                | FLT3  |
| <b>Cellular localization</b>    | Membrane; Single-pass type I membrane protein. Endoplasmic reticulum lumen. Constitutively activated mutant forms with internal tandem duplications are less efficiently transported to the cell surface and a significant proportion is retained in an immature form in the endoplasmic reticulum lumen. The activated kinase is rapidly targeted for degradation. |
| <b>Purification</b>             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.   |

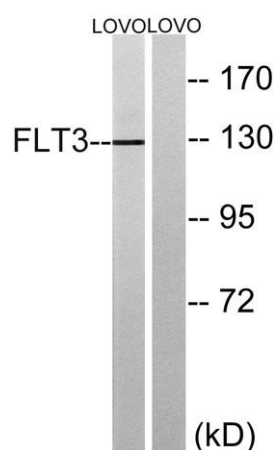
|                                |   |
|--------------------------------|---|
| <b>Clonality</b>               | Polyclonal  |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Observed band</b>           | 117kD   |
| <b>Human Gene ID</b>           | 2322  |
| <b>Human Swiss-Prot Number</b> | P36888  |
| <b>Alternative Names</b>       | 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 |

### Background

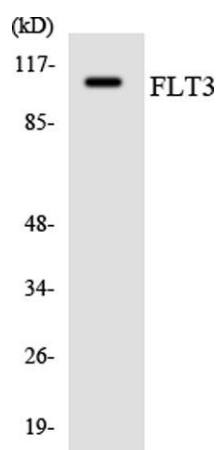
This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. This receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. 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],



**Western Blot analysis of HEPG2 cells using Flt3 Polyclonal Antibody diluted at 1:1000**



Western blot analysis of lysates from LOVO cells, using FLT3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using FLT3 antibody.