ELK Biotechnology

# FLT3 (phospho-Tyr589/591)  rabbit pAb

## Cat No.:ES16365

**For research use only**

**Overview**

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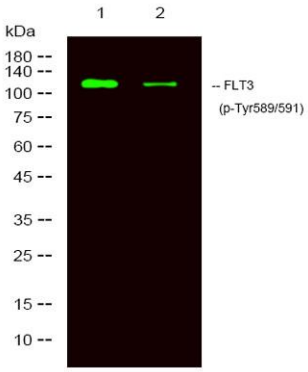
|---|---|
| **Product Name** | FLT3 (phospho-Tyr589/591)  rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB |
| **Species Cross-Reactivity** | Human;Mouse |
| **Recommended dilutions** | WB 1:1000-2000 |
| **Immunogen** | Synthesized phosho peptide around human FLT3 (Tyr589 and 591) |
| **Specificity** | This antibody detects endogenous levels of Human Mouse FLT3 (phospho-Tyr589 or 591) |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | FLT3 (Tyr589/591) |
| **Gene Name** | FLT3 CD135 FLK2 STK1 |
| **Cellular localization** | 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 immatur |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 117kD |
| **Human Gene ID** | 2322 |
| **Human Swiss-Prot Number** | P36888 |
| **Alternative Names** | Receptor-type tyrosine-protein kinase FLT3 (EC 2.7.10.1) (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 mouse brain , rat brain ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000

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