

FLT3 (Phospho Tyr842) Rabbit pAb

CatalogNo: YP0420

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 170kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:10000****Not yet tested in other applications.**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

The antiserum was produced against synthesized peptide derived from human FLT3 around the phosphorylation site of Tyr842. AA range: 808-857

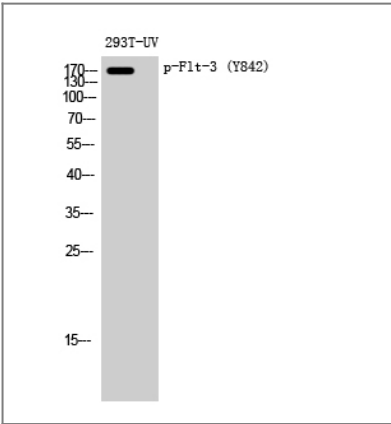
Specificity

Phospho-FLT3 (Y842) Polyclonal Antibody detects endogenous levels of FLT3 protein only when phosphorylated at Y842. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): SNyVV

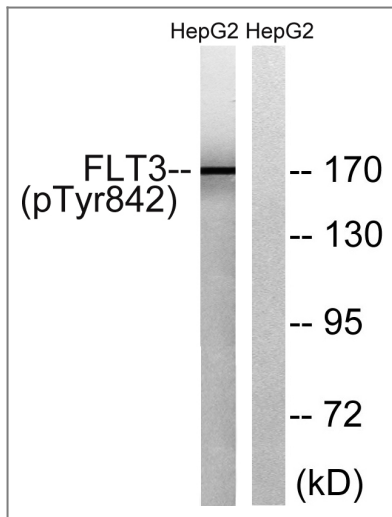
Target Information

| | | | |
|-----------------------|--|-------------------------|--------------------------|
| Gene name | FLT3 | | |
| Protein Name | Receptor-type tyrosine-protein kinase FLT3 | | |
| | Organism | Gene ID | UniProt ID |
| | Human | 2322 ; | P36888 ; |
| | Mouse | 14255 ; | Q00342 ; |
| 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 immature form in the endoplasmic reticulum lumen. The activated kinase is rapidly targeted for degradation. | | |
| Tissue specificity | Detected in bone marrow, in hematopoietic stem cells, in myeloid progenitor cells and in granulocyte/macrophage progenitor cells (at protein level). Detected in bone marrow, liver, thymus, spleen and lymph node, and at low levels in kidney and pancreas. Highly expressed in T-cell leukemia. | | |
| Function | Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Function:Receptor for the FL cytokine. Has a tyrosine-protein kinase activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 protein kinase domain.,subunit:Interacts with FIZ1 following ligand activation.,tissue specificity:Bone marrow cells., | | |

Validation Data



Western Blot analysis of 293T-UV cells using Phospho-Flt-3 (Y842) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from HepG2 cells treated with EGF 200ng/ml 30', using FLT3 (Phospho-Tyr842) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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Please scan the QR code to access additional product information:
FLT3 (Phospho Tyr842) Rabbit pAb

For Research Use Only. Not for Use in Diagnostic Procedures.

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