

FLT3 (Phospho Tyr591) Rabbit pAb

CatalogNo: YP1335

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB

MW

- 117kD (Observed)

Isotype

- IgG

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.

Recommended Dilution Ratios

WB 1:1000-2000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human FLT3 (Tyr591)

Specificity This antibody detects endogenous levels of Human Mouse FLT3 (phospho-Tyr591). 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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): YFyVD

Target Information

Gene name FLT3 CD135 FLK2 STK1

Protein Name FLT3 (Tyr591)

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.

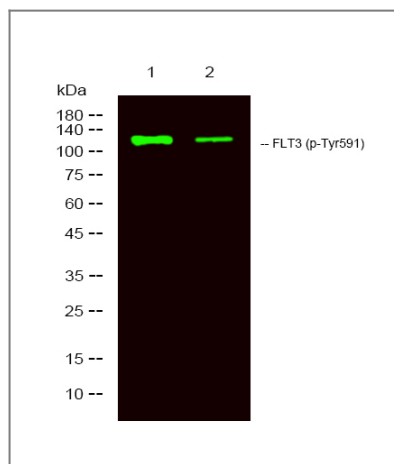
Tissue specificity

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 mouse brain , rat brain ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

Contact information

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