

FLT3 (Phospho Tyr969) Rabbit pAb

CatalogNo: YP0784 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 150kD (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 1:500-1:2000

IHC 1:100-1:300

ELISA 1:5000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human FLT3 around the phosphorylation site of Tyr969. AA range: 935-984

Specificity

Phospho-FLT3 (Y969) Polyclonal Antibody detects endogenous levels of FLT3 protein only when phosphorylated at Y969. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):HTyQN

| 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.

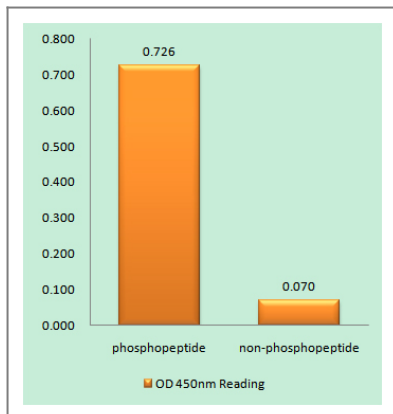
Tissue specificity

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.

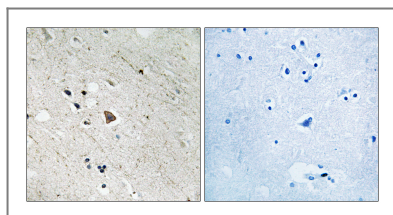
Function

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.,

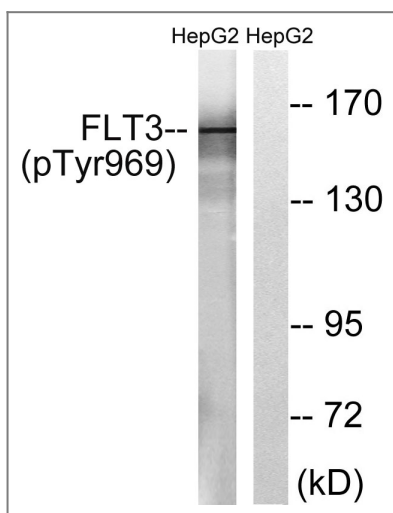
| Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using FLT3 (Phospho-Tyr969) Antibody



Immunohistochemistry analysis of paraffin-embedded human brain, using FLT3 (Phospho-Tyr969) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with Na₃VO₄ 0.3mM 40', using FLT3 (Phospho-Tyr969) Antibody. The lane on the right is blocked with the phospho peptide.

Contact information

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