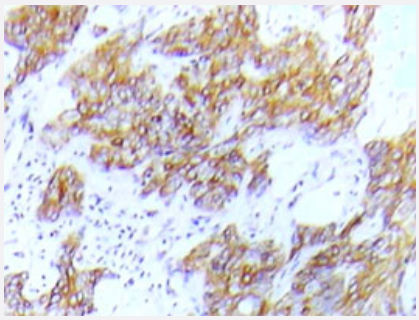
FLT3 (phospho Y591) polyclonal antibody

Catalog # PAB25070 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human lung adenocarcinoma tissue with FLT3 (phospho Y591) polyclonal antibody (Cat # PAB25070).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of FLT3.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y591 of FLT3.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	1 mg/mL
Purity	> 95% by SDS-PAGE
Recommend Usage	Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.05% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry analysis of paraffin-embedded human lung adenocarcinoma tissue with FLT3 (phospho Y591) polyclonal antibody (Cat # PAB25070).

Gene Info — FLT3

Entrez GeneID	2322
Gene Name	FLT3
Gene Alias	CD135, FLK2, STK1
Gene Description	fms-related tyrosine kinase 3
Omim ID	136351 601626
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transme mbrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. T he receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular d omain, which induces homodimer formation in the plasma membrane leading to autophosphorylat ion of the receptor. The activated receptor kinase subsequently phosphorylates and activates mult iple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differenti ation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of th is receptor result in acute myeloid leukemia and acute lymphoblastic leukemia. [provided by RefS eq
Other Designations	CD135 antigen|FL cytokine receptor|FLT3 receptor tyrosine kinase|OTTHUMP00000042340|feta l liver kinase 2|growth factor receptor tyrosine kinase type III|stem cell tyrosine kinase 1|tyrosine-pr otein kinase receptor FLT3

Pathway

- Acute myeloid leukemia
- Cytokine-cytokine receptor interaction

- Hematopoietic cell lineage
- Pathways in cancer

Disease

- Acute Disease
- Cardiovascular Diseases
- Cell Transformation
- Chromosome Aberrations
- Diabetes Mellitus
- Disease Progression
- Down Syndrome
- Edema
- Fractures
- Genetic Predisposition to Disease
- Leukemia
- Leukocytosis
- Lymphoproliferative Disorders
- Myelodysplastic Syndromes
- Neoplasm
- Neovascularization
- Noonan Syndrome
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Recurrence
- Tobacco Use Disorder

- Translocation