

## Flt3 (phospho-Y591) polyclonal antibody

Catalog: BS5071

Host: Rabbit

Reactivity: Human

### BackGround:

Stem cell tyrosine kinase (STK-1) has been cloned from a CD34+ hematopoietic stem cell enriched library and identified as the human homolog of a previously identified gene of mouse origin designated either Flk-2 or Flt-3. The STK-1 cDNA encodes a protein of 993 amino acids with 85% identity to Flt-3/Flk-2. STK-1 is a member of the type III receptor tyrosine kinase family that includes Kit (steel factor receptor), Fms and PDGF. STK-1 expression in blood and marrow is restricted to CD34+ cells, a population greatly enriched for hematopoietic stem/progenitor cells. STK-1 antiserum recognizes two polypeptides in these cells. The mouse homolog of STK-1, designated Flt-3/ Flk-2, is expressed at high levels in hematopoietic cells and also in neural, gonadal, hepatic and placental tissues. It has been suggested that STK-1 and its murine homolog Flt-3/ Flk-2 may function as growth factor receptors on hematopoietic stem and/or progenitor cells.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 117 kDa

### Swiss-Prot:

P36888

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC: 1:50~1:200

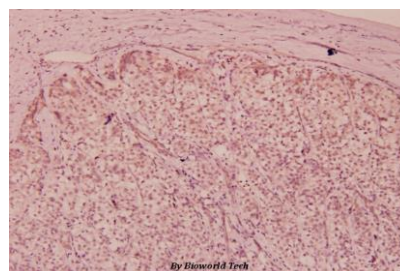
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-FLT3 (Y591) polyclonal antibody detects endogenous levels of FLT3 protein only when phosphorylated at Tyr591.

### DATA:



Immunohistochemistry (IHC) analyzes of p-Flt3 (Y591) pAb in paraffin-embedded human liver carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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