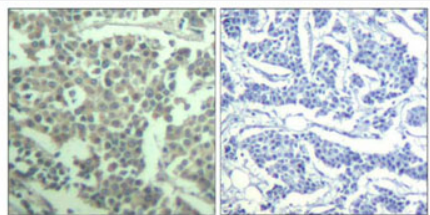


# KIT (phospho Y936) polyclonal antibody

Catalog # PAB25911      Size 100 ug

## Applications



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using KIT (phospho Y936) polyclonal antibody (Cat # PAB25911).

## Specification

|                             |                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit polyclonal antibody raised against synthetic phosphopeptide of KIT.                              |
| <b>Immunogen</b>            | Synthetic phosphopeptide corresponding to residues surrounding Y936 of human KIT.                       |
| <b>Sequence</b>             | H-I-Yp-S-N                                                                                              |
| <b>Host</b>                 | Rabbit                                                                                                  |
| <b>Theoretical MW (kDa)</b> | 145                                                                                                     |
| <b>Reactivity</b>           | Human                                                                                                   |
| <b>Form</b>                 | Liquid                                                                                                  |
| <b>Purification</b>         | Affinity chromatography                                                                                 |
| <b>Concentration</b>        | 1 mg/mL                                                                                                 |
| <b>Recommend Usage</b>      | Immunohistochemistry (1:50-1:100)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>       | In PBS (without $Mg^{2+}$ and $Ca^{2+}$ ), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)       |

**Storage Instruction**

Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

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

## Applications

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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using KIT (phospho Y936) polyclonal antibody (Cat # PAB25911).

## Gene Info — KIT

**Entrez GeneID**[3815](#)**Protein Accession#**[P10721](#)**Gene Name**

KIT

**Gene Alias**

C-Kit, CD117, PBT, SCFR

**Gene Description**

v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

**Omim ID**[164920](#) [172800](#) [273300](#) [601626](#) [606764](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes the human homolog of the proto-oncogene c-kit. C-kit was first identified as the cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembrane receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this gene are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous leukemia, and piebaldism. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

mast/stem cell growth factor receptor|proto-oncogene tyrosine-protein kinase Kit|soluble KIT variant 1

## Pathway

- [Acute myeloid leukemia](#)
- [Cytokine-cytokine receptor interaction](#)

- [Endocytosis](#)
- [Hematopoietic cell lineage](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)

## Disease

- [Acute Disease](#)
- [Aneuploidy](#)
- [Azoospermia](#)
- [Chronic Disease](#)
- [Constipation](#)
- [Disease Progression](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Neoplasms](#)
- [Hyperpigmentation](#)
- [Infertility](#)
- [Leukemia](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Malignant melanoma](#)
- [Mastocytosis](#)
- [Melanoma](#)
- [Neoplasm](#)
- [Neoplasm Recurrence](#)
- [Neoplasm Seeding](#)

- [Oligospermia](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Skin Neoplasms](#)
- [Splenic Neoplasms](#)
- [Stomach Neoplasms](#)
- [Thyroid Neoplasms](#)
- [Translocation](#)