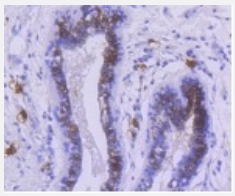
RecomAb™

# KIT recombinant monoclonal antibody

Catalog # RAB02774 Size 100 uL

## Applications



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using KIT recombinant monoclonal antibody (Cat # RAB02774). Counter stained with hematoxylin.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against KIT. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant KIT. |
| **Theoretical MW (kDa)** | 120, 145 |
| **Reactivity** | Human |
| **Specificity** | This antibody detects endogenous levels of c-Kit and does not cross-react with related proteins. |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Protein A purification |
| **Isotype** | IgG |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Recommend Usage** | Immunohistochemistry (1:50-1:200)<br>Western Blot (1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.2 (50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles. |
| **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)

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using KIT recombinant monoclonal antibody (Cat # RAB02774). Counter stained with hematoxylin.

- Western Blot

## 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 th e cellular homolog of the feline sarcoma viral oncogene v-kit. This protein is a type 3 transmembra ne receptor for MGF (mast cell growth factor, also known as stem cell factor). Mutations in this ge ne are associated with gastrointestinal stromal tumors, mast cell disease, acute myelogenous luk emia, 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 varia nt 1 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Melanoma
- Neoplasm
- Neoplasm Recurrence
- Neoplasm Seeding
- Oligospermia
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Skin Neoplasms
- Splenic Neoplasms
- Stomach Neoplasms
- Thyroid Neoplasms
- Translocation

Copyright © 2023 Abnova Corporation. All Rights Reserved.