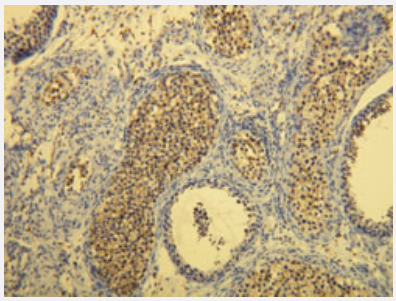
# KIT monoclonal antibody, clone R21-V

Catalog # MAB23272 Size 7 mL

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human seminoma with KIT monoclonal antibody, clone R21-V (Cat # MAB23272).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against synthetic peptide of human KIT. |
| **Immunogen** | A synthetic peptide corresponding to C-terminus of human KIT. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | immunoaffinity purification |
| **Recommend Usage** | Immunohistochemistry (1:100-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 20 mM Tris-HCl buffer, pH 8.0 (20 mg/mL BSA, 0.05% Sodium Azide). |
| **Storage Instruction** | Store at 4°C. Do not freeze. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Applications

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human seminoma with KIT monoclonal antibody, clone R21-V (Cat # MAB23272).

## 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 |

## Pathway

- Acute myeloid leukemia
- Cytokine-cytokine receptor interaction
- Endocytosis
- Hematopoietic cell lineage
- Melanogenesis
- Pathways in cancer

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## 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

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- Splenic Neoplasms
- Stomach Neoplasms
- Thyroid Neoplasms
- Translocation

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