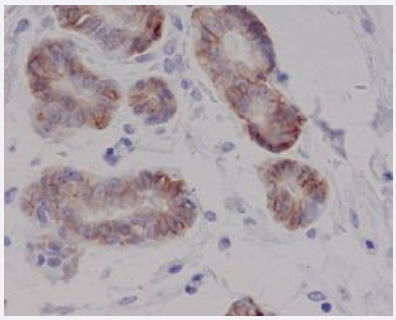
KIT monoclonal antibody, clone CGF-11

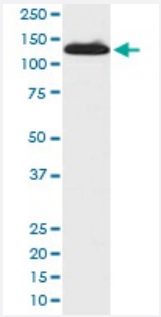
Catalog # MAB19900 Size 100 uL

Applications



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

Immunohistochemical staining of paraffin-embedded human breast cancer with KIT monoclonal antibody.



Western Blot (Cell lysate)

Western blot analysis of human fetal lung tissue lysate with KIT monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human KIT.
Immunogen	A synthetic peptide corresponding to human KIT.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG

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Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. 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)

  Immunohistochemical staining of paraffin-embedded human breast cancer with KIT monoclonal antibody.

- Western Blot (Cell lysate)

  Western blot analysis of human fetal lung tissue lysate with KIT monoclonal antibody.

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

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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

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

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