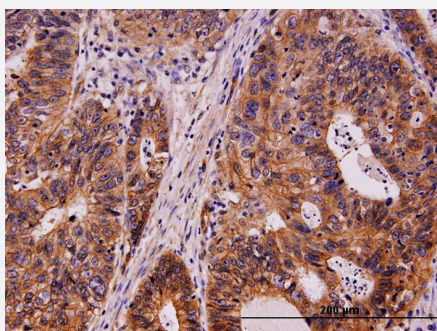


KIT monoclonal antibody (M01), clone 6G12

Catalog # H00003815-M01

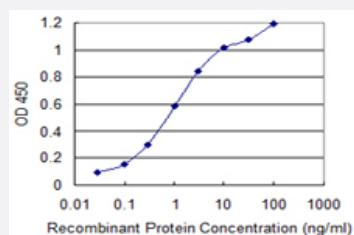
Size 100 ug

Applications



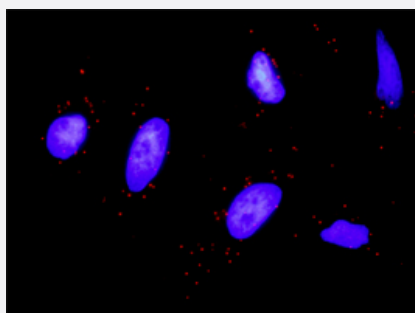
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to KIT on formalin-fixed paraffin-embedded human stomach carcinoma. [antibody concentration 3 ug/ml]



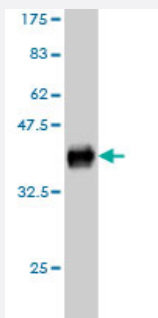
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KIT is 0.03 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between STAT1 and KIT. HeLa cells were stained with anti-STAT1 rabbit purified polyclonal 1:1200 and anti-KIT mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant KIT.
Immunogen	KIT (NP_000213, 41 a.a. ~ 140 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PGKSDLVRVVGDEIRLLCTDPGFVKWTFEILDETNNKQNEWITEKAEATNTGKYTCTNKHGLSNSIYVFVRDPAKLFLVDRSLYGKEDNDTLVRCPLTD
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to KIT on formalin-fixed paraffin-embedded human stomach carcinoma. [antibody concentration 3 ug/ml]

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Detection limit for recombinant GST tagged KIT is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between STAT1 and KIT. HeLa cells were stained with anti-STAT1 rabbit purified polyclonal 1:1200 and anti-KIT mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — KIT

Entrez GeneID [3815](#)

GeneBank Accession# [NM_000222](#)

Protein Accession# [NP_000213](#)

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](#)