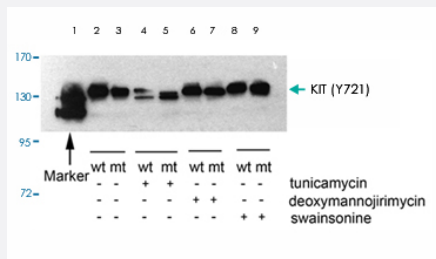


KIT (phospho Y721) polyclonal antibody

Catalog # PAB25831 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293T cells (transfected with wild or mutant type c-kit/pc DNA3.1) treated with SCF(100 ng/mL 15 min) using KIT (phospho Y721) polyclonal antibody (Cat # PAB25831).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of KIT.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y721 of human KIT.
Sequence	N-E-Yp-M-D
Host	Rabbit
Theoretical MW (kDa)	145
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	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

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293T cells (transfected with wild or mutant type c-kit/pc DNA3.1) treated with SCF(100 ng/mL 15 min) using KIT (phospho Y721) polyclonal antibody (Cat # PAB25831).

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](#)