

Datasheet for ABIN969237

anti-KIT antibody

4 Images

2 Publications

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	KIT
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KIT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	KIT Antibody
Immunogen:	Purified recombinant fragment of human KIT expressed in E. Coli.
Clone:	1C5
Isotype:	IgG1
Purification:	Ascitic fluid

Target Details

Target:	KIT
Alternative Name:	KIT (KIT Products)
Background:	Description: The c-Kit proto-oncogene is a member of the receptor tyrosine kinase family and, more specifically, is closely related to the platelet derived growth factor receptor (PDGFR). c-Kit,

Target Details

the normal cellular homolog of the HZ4-feline sarcoma virus transforming gene (v-Kit), encodes a transmembrane receptor. c-Kit regulates a variety of biological responses including chemotaxis, cell proliferation, apoptosis and adhesion. c-Kit is also identical with the product of the W locus in mice and, as such, is integral to the development of mast cells and hematopoiesis. The ligand for the c-Kit receptor (KL) has been identified and is encoded at the murine steel (Sl) locus. Kit is the human homolog of the proto-oncogene c-Kit. Mutations in Kit are integral for tumor growth and progression in various cancers.

Aliases: PBT, SCFR, C-Kit, CD117

Molecular Weight: 145kDa

Gene ID: 3815

HGNC: 3815

UniProt: [P10721](#)

Pathways: [RTK Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Sensory Perception of Sound](#), [Stem Cell Maintenance](#), [Production of Molecular Mediator of Immune Response](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

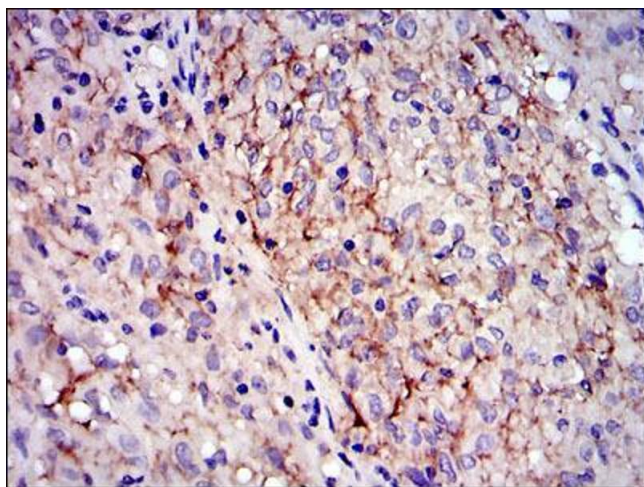
Publications

Product cited in: Malaise, Steinbach, Corbacioglu: "Clinical implications of c-Kit mutations in acute myelogenous

leukemia." in: **Current hematologic malignancy reports**, Vol. 4, Issue 2, pp. 77-82, (2010) ([PubMed](#)).

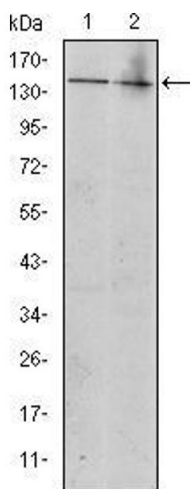
Uckert, Kedia, Satzger, Geismar, Sohn, Kuczyk, Hedlund, Waldkirch: "C-kit-positive multipolar cells in human penile erectile tissue: expression of connexin 43 and relation to trabecular smooth muscle cells." in: **Georgian medical news**, Issue 180, pp. 13-9, (2010) ([PubMed](#)).

Images



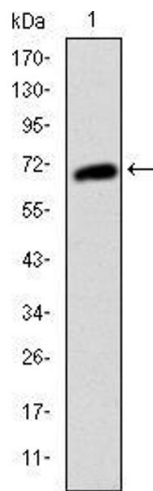
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded gastrointestinal stromal tumor using KIT mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using KIT mouse mAb against Jurkat (1) and Hela (2) cell lysate.



Western Blotting

Image 3. Western blot analysis using KIT mAb against human KIT (AA: 805-976) recombinant protein. (Expected MW is 45 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969237.