

**C-Kit/CD117 Antibody (NT)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ABV11320****Specification**

---

**C-Kit/CD117 Antibody (NT) - Product Information**

Application	FC, WB, IHC
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG

**C-Kit/CD117 Antibody (NT) - Additional Information**

Positive Control	Western blot: HeLa cell lysate, IHC: Breast carcinoma, FACS: Hela cells.
Application & Usage	WB: 1:1000, IHC: 1:10 - 1:50, IF: 1:10 - 1:50.

**Other Names**

KIT, Mast/stem cell growth factor receptor, Proto-oncogene tyrosine-protein kinase Kit

**Target/Specificity**

c-Kit/CD117

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

C-Kit/CD117 Antibody (NT) is for research use only and not for use in diagnostic or therapeutic procedures.

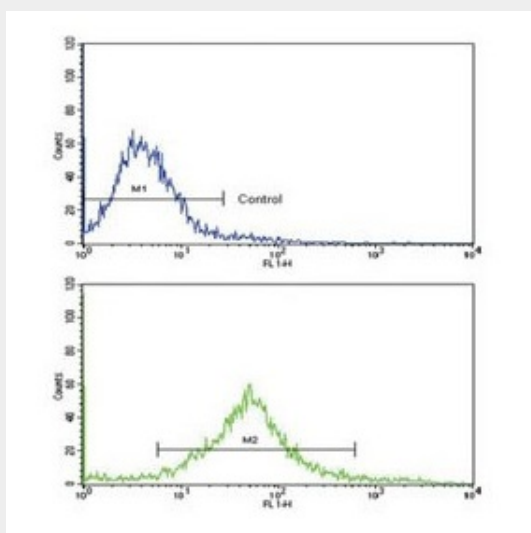
**C-Kit/CD117 Antibody (NT) - Protein Information**

## C-Kit/CD117 Antibody (NT) - Protocols

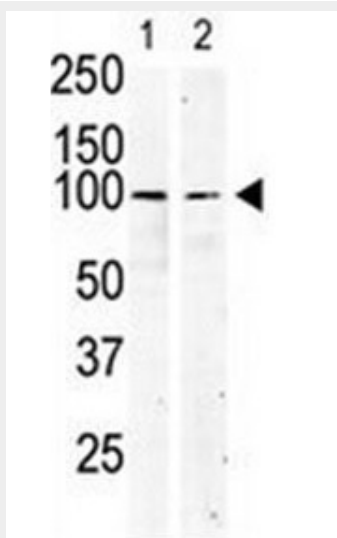
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

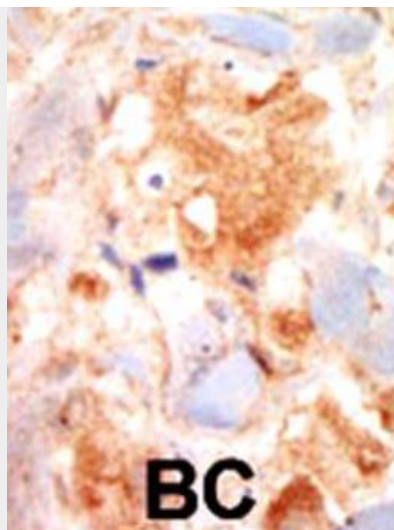
## C-Kit/CD117 Antibody (NT) - Images



Flow cytometric analysis of HeLa cells using KIT Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



The anti-KIT Pab is used in Western blot to detect KIT in serum-starved HeLa cell lysate (lane 1) and primate testis tissue lysate (lane 2).



Purified rabbit anti-KIT Pab was used in immunohistochemistry on Breast Carcinoma.

#### **C-Kit/CD117 Antibody (NT) - Background**

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, 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.