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**anti-c-Kit**

Cat #: HM1210  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

c-Kit (also known as CD117 and stem cell factor receptor) is a 145 kDa transmembrane tyrosine kinase closely related to the platelet derived growth factor receptor. It is the cellular homolog of the protein encoded by HZ4-feline sarcoma virus transforming gene, v-Kit. Activation of c-kit leads to autophosphorylation on several tyrosine residues within the cytoplasmic domain. c-Kit regulates a variety of biological responses including cell proliferation, apoptosis, chemotaxis and adhesion. Mutations in c-Kit are involved in a variety of cancers including mast cell diseases, gastrointestinal stromal tumor, acute myeloid leukemia, Ewing sarcoma and lung cancer.

**SPECIFICITY**

This antibody reacts with c-kit of mouse, rat and human origin. It can be used in Western blotting, immunoprecipitation and immunohistochemistry.

Molecular Weight of c-kit: 145 kDa.

**IMMUNOGEN**

Recombinant protein corresponding to the c-terminus of human c-kit.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

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