

CD117 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ150182**Company:** HaoKebio**Uniprot ID:**P10721**Organism:**Rabbit**Species reactivity:**Human**Predicted Molecular Weight:**110kDa**Applications:** IHC: 1:100-1:200

IHC-Polymer: 1:400-1:800

TSA:1:500-1:1000

Background:

CD117 is a cell membrane protein encoded by the c-kit proto-oncogene (chromosome 4q11-12), functioning as a type III tyrosine kinase growth factor receptor for stem cell factor. It is expressed in interstitial cells of Cajal, melanocytes, and interstitial cells, while showing weaker cytoplasmic reactivity in various epithelial cells (breast, sweat glands, salivary glands, renal tubular cells, thyroid follicular cells). CD117 serves as a specific immunohistochemical marker for gastrointestinal stromal tumors (GISTs) and is also a marker for certain testicular germ cell tumors.

Protein full name:

v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog

Synonyms:

CD117, KIT, EC:2.7.10.1, c-Kit, C Kit

Immunogen:

Synthetic peptide corresponding to amino acid residues 876-976 of CD117.

Isotype:

IgG

Subcellular location:

Cell membrane & Cytoplasm

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

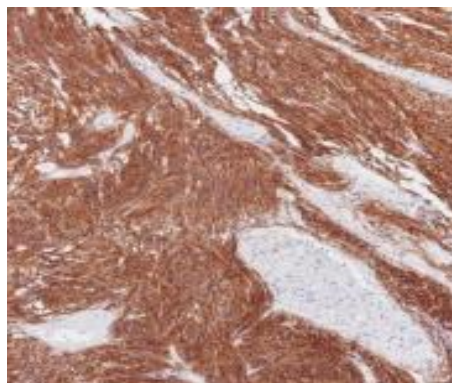
59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C - 25 °C) for 30 minutes.

Images:

Immunohistochemical results of CD117-labeled gastrointestinal stromal tumor tissue (formalin-fixed, paraffin-embedded sections) using HKZ150182. Antigen retrieval was performed with Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. Arber et al. Hum Pathol 1998; 29(5):498-504.
2. Ashman LK et al. Int J Biochem Cell Biol. 1999 Oct; 31(10):1037-51.

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发表[中文论文]请标注:CD117 (HKZ150182) 由杭州浩克生物技术有限公司提供;
发表[英文论文]请标注: CD117 (HKZ150182) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

