
CD117 (Clone YR145) Rabbit Monoclonal Antibody

Specificity: Human and Dog. Others not tested

Immunogen: A synthetic peptide from C-terminus of human CD117 / c-kit protein

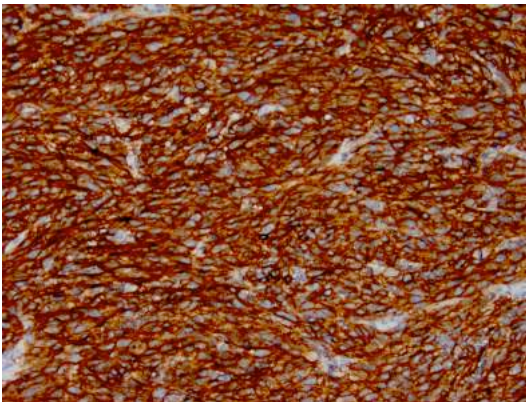
Ig Class: Rabbit IgG

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:50-100. *Positive Control:* Gastrointestinal stromal tumor (GIST), skin or tonsil. *Cellular Localization:* Cell membrane. *Intended Use:* Analyte Specific Reagent (ASR).

Description: Recognizes a protein of 145kDa, which is identified as CD117/p145kit. This rabbit polyclonal antibody does not interfere with the binding of SCF to c-kit. It precipitates both the unoccupied as well as the occupied form of c-kit. The binding of the stem cell factor (SCF) to the c-kit-encoded receptor tyrosine kinase (Type III) stimulates a variety of biochemical responses that culminate in cellular proliferation, migration, or survival. C-kit plays an important role in hematopoiesis, melanogenesis, and gametogenesis.

Supplied As: Purified antibody with 0.2% BSA and 15mM sodium azide.



References:

1. van Oosterom AT, et al. Lancet 2001; 358: 1421-3
2. Hornick JL, et al. Am J Clin Pathol 2002; 117:188-93
3. Smithey BE, et al. Am J Surg Pathol 2002; 26:486-92

Formalin-fixed, paraffin-embedded human GIST stained with anti-CD117 antibody using peroxidase-conjugate and DAB chromogen. Note cell membrane staining of tumor cells

Cat. #Z2030 (1.0 ml)

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