

Rabbit Polyclonal anti-c-Kit (CD117)

60-0020; 60-0020-7

6 mL; 7 mL predilute Antibody, Ready-To-Use

1 mL; 0.2 mL; 0.5 mL Concentrate Antibod

61-0020; 61-0020-2; 61-0020-5

Isotype N/A

Concentration See container label

Intended Use

For In Vitro Diagnostic Use.

This product is intended for laboratory use to qualitatively detect c-Kit (CD117) by light microscopy in normal and neoplastic formalin fixed paraffin embedded (FFPE) tissue sections using immunohistochemical detection methodology. Interpretation of any positive or negative staining shall be supported by a proper control and must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

C-Kit (CD117) is expressed on hematopoietic stem/progenitor cells, master cells, Cajal cells, mammalian ductal epithelia, melanocytes, and basal cells of skin.

The antibody is a useful tool for the identification of cancers expressing c-Kit, e.g. small cell lung carcinoma (SLCL), mast cell diseases, Ewing sarcoma, and may aid in the differentiation between gastrointestinal stromal tumors (GISTs) and other intra-abdominal mesenchymal tumors along with other markers, e.g. CD34 and S-100.

Reagent provided

This antibody is affinity purified and diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN_3) as antimicrobial agent.

Precautions

For professional users.

Proper handling of this product as with any product derived from biological sources shall be followed according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of NaN_3 may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0020; 60-0020-7: Ready-To-Use

61-0020; 61-0020-2; 61-0020-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Gastrointestinal Stromal Tumor (GIST)

Epitope retrieval

HIER, Citrate pH 6

Staining pattern

Membrane and Cytoplasm

Storage

Store at 2-8°C.

References

1. Tsuruta Y, et al. Virchows Arch. 424(2):135-141, 1994
2. Di Matteo G., et al. Hepatogastroenterology 49(46):1013-6, 2002.

GENTAUR