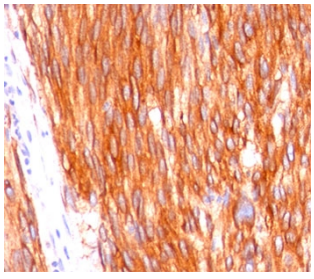
CD117 Antibody [clone C117/370] (V2167)

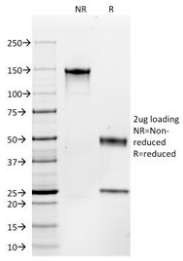
Catalog No.	Formulation	Size
V2167-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2167-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2167SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

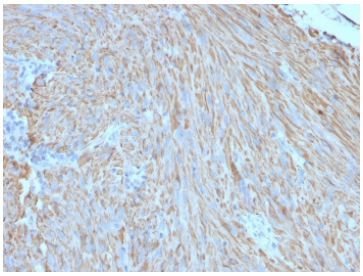
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	C117/370
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3815
Localization	Cell surface and cytoplasmic
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **CD117 antibody** is available for research use only.



Formalin-paraffin human gastrointestinal stromal tumor (GIST) stained with CD117 antibody (clone C117/370).



SDS-PAGE analysis of purified, BSA-free CD117 antibody (clone C117/370) as confirmation of integrity and purity.



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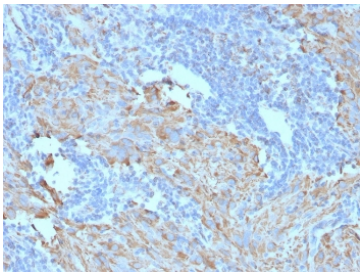

Formalin-paraffin human gastrointestinal stromal tumor (GIST) stained with CD117 antibody (clone C117/370).

Description

This antibody recognizes a protein of 145kDa, identified as CD117, or p145kit. It is found on a wide variety of tumor cells including follicular and papillary carcinoma of thyroid, adenocarcinomas from endometrium, lung, ovary, pancreas, and breast as well as malignant melanoma, endodermal sinus tumor, and small cell carcinoma. However, CD117 antibody has been particularly useful in differentiating gastrointestinal stromal tumors from KaposiÃ¯Â¿Â½s sarcoma, tumors of smooth muscle origin, fibromatosis, and neural tumors of the GI tract. CD117 antibody is also useful in recognizing myeloblasts in bone marrow biopsy and clot section.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CD117 antibody to be titered up or down for optimal performance.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.

Immunogen

Recombinant human protein was used as the immunogen for this CD117 antibody.

Storage

Store the CD117 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

p145; Steel Factor Receptor; Stem Cell Factor Receptor (SCF-Receptor); Mast Cell Growth Factor Receptor, CD117 antibody

References (2)