

Product Datasheet

CD117/c-kit Antibody (C117/370) NBP2-29423

Unit Size: 0.1 mg

Store at 4C.

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NBP2-29423

CD117/c-kit Antibody (C117/370)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	C117/370
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	145 kDa

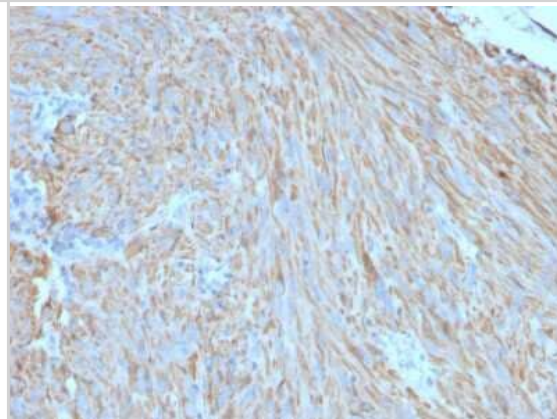
Product Description	
Description	<p>200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33192)</p> <p>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.</p>
Host	Mouse
Gene ID	3815
Gene Symbol	KIT
Species	Human
Marker	Marker for Gastrointestinal Stromal Tumors
Specificity/Sensitivity	<p>This monoclonal antibody recognizes a protein of 145kDa, identified as CD117/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, anti-CD117 has been particularly useful in differentiating gastrointestinal stromal tumors from Kaposi's sarcoma, tumors of smooth muscle origin, fibromatosis, and neural tumors of the GI tract. Anti-CD117 is also useful in recognizing myeloblasts in bone marrow biopsy and clot section.</p>
Immunogen	Recombinant human CD117/c-kit protein (Uniprot: P10721)

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml
Application Notes	<p>Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 1mM EDTA buffer, pH 9.5, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.</p>

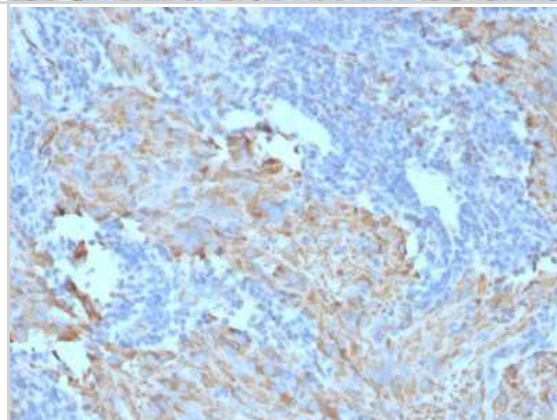


Images

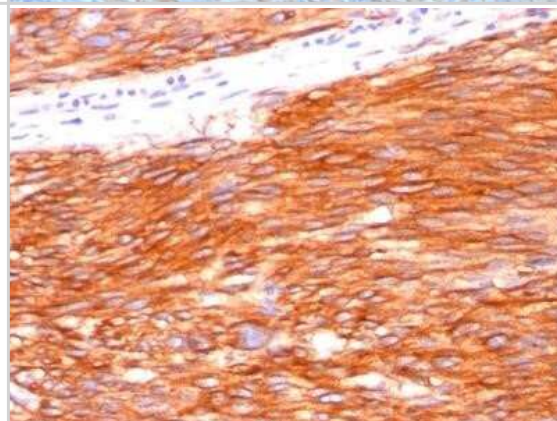
Immunohistochemistry-Paraffin: CD117/c-kit Antibody (C117/370) [NBP2-29423] - Formalin-fixed, paraffin-embedded human GIST stained with CD117/c-kit Mouse Monoclonal Antibody (C117/370).



Immunohistochemistry-Paraffin: CD117/c-kit Antibody (C117/370) [NBP2-29423] - Formalin-fixed, paraffin-embedded human GIST stained with CD117/c-kit Antibody (C117/370).



Immunohistochemistry-Paraffin: CD117/c-kit Antibody (C117/370) [NBP2-29423] - Formalin-paraffin human gastrointestinal stromal tumor(GIST) stained with CD117 Ab (C117/370).



Publications

Hayashi T, Konishi I Familial Gastrointestinal Stromal Tumor Associated with Zebra-like Pigmentation Biomedicines 2023-05-30 [PMID: 37371685] (IHC-P, Human)



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Products Related to NBP2-29423

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-85593PEP	CD117/c-kit Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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