

# Product Datasheet

## CD117/c-kit Antibody (R21-V)

### NBP1-79010-100ul

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP1-79010-100ul**

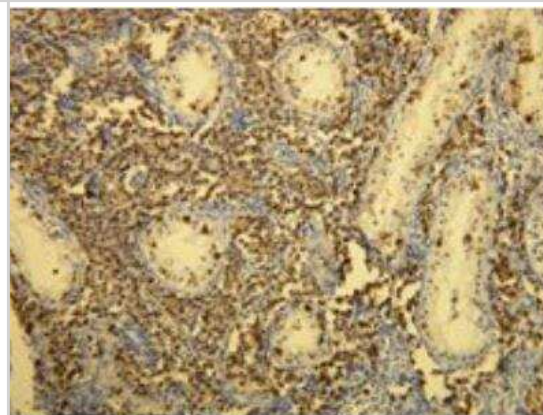
CD117/c-kit Antibody (R21-V)

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	R21-V
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	20mM Tris-HCl (pH 8.0) and 20mg/ml BSA
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3815
<b>Gene Symbol</b>	KIT
<b>Species</b>	Human
<b>Marker</b>	Hematopoietic Stem Cell Marker
<b>Immunogen</b>	Peptide derived from C-terminal sequence of human CD117/c-kit. Antibody recognizes the epitope between Ile957 - His973.
<b>Notes</b>	This antibody is immunoaffinity purified with immunogenic peptide as a ligand.
<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:100 - 1:200, Immunohistochemistry-Paraffin 1:100-1:200

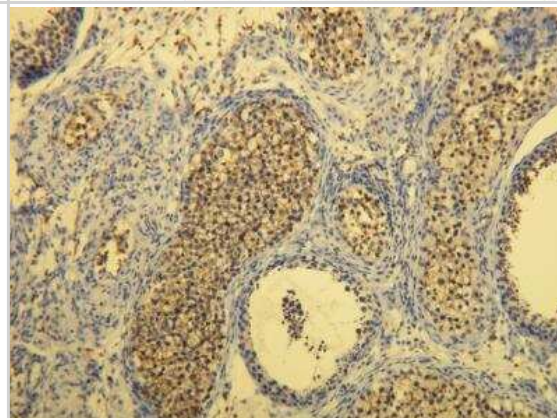


**Images**

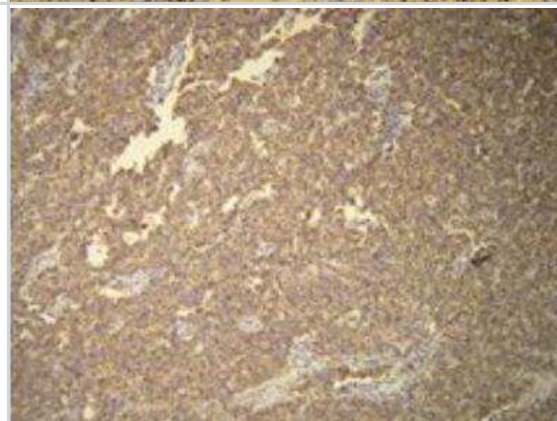
Immunohistochemistry-Paraffin: CD117/c-kit Antibody (R21-V) [NBP1-79010] - Membranous CD117 positivity in the classical seminoma. Formalin fixed, paraffin embedded human tissues (4 um sections) stained with anti-CD117 monospecific clonal antibody.



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## Procedures

### Immunohistochemistry-Paraffin protocol for CD117/c-kit Antibody (NBP1-79010)

#### IHC-P Protocol (NBP1-79010):

1. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
2. Wash the section in 96%, 80% and 70% benzyl alcohol for 5 minutes each.
3. Rinse in distilled water.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) for 10 minutes.
5. Rinse in distilled water.
6. For antigen retrieval: immerse the slide in the citrate buffer, pH 6.0, 0.05% Tween-20\*, and incubate in microwave (600W) for 10 minutes. (Alternatively adjust to your own protocol, keeping the required pH)
7. Remove the staining to room temperature and let the slide to cool (in citrate buffer, pH 6.0) for 15 minutes.
8. Rinse in distilled water.
9. Wash in 0.05 M Tris-HCl , pH 7.6 buffer supplemented with 0.2% of Tween-20 (buffer A) for 5 minutes.
10. Incubate the section with primary antibody in buffer A at the dilution 1:100 - 200 for 1 hour in the closed wet chamber.
11. Wash twice 5 minutes with buffer A.
12. Apply the secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB).
13. Wash twice 5 minutes with buffer A.
14. Apply the chromogen (DAB), 10 minutes.
15. Rinse in water.
16. Stain in hematoxylin for 5 minutes.
17. Wash in water - 10 minutes.
18. Dehydrate the section in 2 changes of 96% benzyl alcohol for 5 minutes each.
19. Wash the section in 2 changes of xylene for 2 minutes each.
20. Mount the slide for observation.





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### **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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