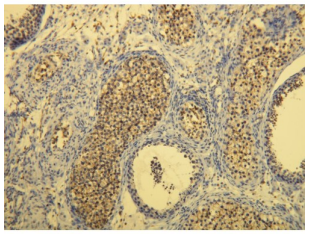
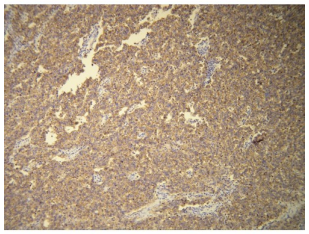
Mast/Stem Cell Growth Factor Receptor Kit (KIT) Antibody

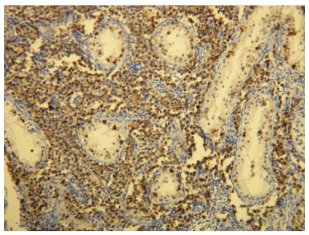
Catalogue No.:abx227097



IHC-P analysis showing membranous CD117 positivity in the classical seminoma (4 µm section).



IHC-P analysis of membranous CD117 positivity in the classical seminoma (4 µm section).



IHC-P analysis of membranous CD117 positivity in the classical seminoma (4 µm section).

Mast/Stem Cell Growth Factor Receptor Kit (KIT) Antibody is a Rabbit Monoclonal antibody for the detection of CD117.

Target:	Mast/Stem Cell Growth Factor Receptor Kit (KIT)
Clonality:	Monoclonal
Clone:	Z693
Reactivity:	Human
Tested Applications:	IHC
Host:	Rabbit
Recommended dilutions:	IHC-P: 1/100 - 1/200. Optimal dilutions/concentrations should be determined by the end user.

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Conjugation:	Unconjugated
Immunogen:	Synthetic peptide derived from the C-terminal region of human CD117.
Isotype:	IgG
Form:	Liquid
Purification:	Purified from rabbit antiserum by proprietary techniques.
Storage:	Store at 2-8°C.
UniProt Primary AC:	P10721 (UniProt, ExPASy)
Buffer:	20 mM Tris-HCl, pH 8.0, containing 20 mg/ml BSA and 0.05% NaN3.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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Directions for use:

Suggested IHC-P Protocol

1. Preparation of Citrate Buffer (10 mM Citric Acid, 0.05% Tween-20, pH 6.0): Dissolve 1.92 g of anhydrous citric acid in 700 ml of distilled water. Adjust pH to 6.0 with 1 M NaOH and then add 0.5 ml of Tween-20 and mix thoroughly. Adjust the final volume to 1 L with distilled water. Store this solution at room temperature for up to 3 months or at 4 °C for long-term storage.
2. Preparation of Wash Buffer: Use 0.05 M Tris-HCl, pH 7.6, containing 0.2% Tween-20.
3. Deparaffinize the section in 3 changes of xylene, 5 minutes each.
4. Wash the section in 96%, 80% and 70% ethanol, 10 minutes each.
5. Rinse in distilled water.
6. Block endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide (H_2O_2) for 10 minutes.
7. Rinse in distilled water.
8. Antigen retrieval: immerse the slide in Citrate buffer, pH 6.0, and incubate in a water bath for 30-40 minutes at 96-98 °C.
9. Remove the slide from the water bath and allow to stand at room temperature (in Citrate buffer, pH 6.0) for 15 minutes.
10. Rinse in distilled water.
11. Wash in Wash Buffer for 5 minutes.
12. Incubate the section with primary antibody at 1/100 - 1/200 dilution for 1 hour in a closed wet chamber. It is recommended to use abx291502 Primary Antibody Diluent or a diluent containing protease-free BSA (> 1 mg/ml) to dilute this antibody.
13. Wash twice with Wash Buffer, 5 minutes each.
14. Add the secondary antibody and proceed to standard immunohistochemistry protocol (HRP - Peroxide - DAB). It is recommended to use abx291501 Rabbit and Mouse HRP/DAB Detection Kit.
15. Wash twice in Wash Buffer, 5 minutes each.
16. Apply the DAB chromagen for 1-3 minutes.
17. Rinse in water.
18. Stain in hematoxylin for 5 minutes.
19. Wash in water for 10 minutes.
20. Dehydrate the section in 2 changes of 96% ethanol, 5 minutes each.
21. Wash the section in 2 changes of xylene, 2 minutes each.
22. Mount the slide for observation.

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