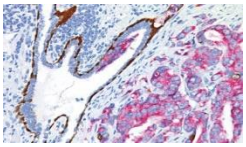
PIN4 Positive Control Slides



SUMMARY

Each slide box contains 100 control slides. The tissue is paraffin embedded and sectioned at 5 microns. Each section is mounted on positive charged slide.

Description

PIN4positive control slides are intended for use as positive control for immunohistochemistry staining using a PIN4 antibody.

PRINCIPLES AND PROCEDURES

A control slide should be tested with each specimen to ensure proper reactivity of the reagents and staining method. Refer to reagent product inserts for recommended staining protocols specifically for stains performed in your laboratory.

MATERIALS AND METHODS

Fixation: 10% Neutral Buffered Formalin

Positive Control Slides: Prostate CA

Materials and Reagents Needed But Not Provided

1. Deparaffinization Method (Xylene, Alcohol)
2. Primary and secondary antibody
3. Antigen Retrieval Method, HIER
4. Detection kits (Selected)
5. Blocking agent (If Necessary)
6. Counter Stain
7. Dehydration Method
8. Clear, and Coverslip

Warnings and Precautions

1. Refer to specification sheet for antibody used to perform stain. Staining may vary based on application and tissue handling.
2. Do not use slides after expiration date printed on product label.
3. It is the user's discretion for the suitability of this product. No warranty implied.

Quality Control Procedures

1. Refer to NCCLS Quality Assurance for Immunohistochemical Assays.
2. Carson F Hladik C. Histotechnology: Self Instructional Text, 3rd edition
3. PIN4 antibody data sheet provided by vendor.

Storage and Stability slides at 15-30°C (see product label for expiration date).

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INTERPRETATION OF RESULTS

The clinical interpretation of any positive staining, or its absence, must be evaluated within the context of clinical history and morphology. Slides should be viewed by a board certified pathologist who is familiar with the antibodies, reagents, and methods used to produce the stained preparation. Staining must be performed in a certified licensed laboratory under the supervision of a pathologist who is responsible for reviewing the stained slides. A Pathologist should confirm and validate control slides before usage.

PROCEDURE

1. Deparaffinize tissue and hydrate to distilled water.

2. Begin with antigen retrieval technique approved for use in your laboratory.

3. Rinse slide in distilled water.

4. Block endogenous peroxidase with 3% Hydrogen Peroxide. Incubate for 3 to 5 minutes.

5. Wash slide in distilled water, and rinse with two changes of Reaction Buffer.

6. Apply P63/34be12 primary antibody, and incubate at room temperature for 24 minutes.

7. Rinse slides in two changes of reaction buffer.

8. Apply HRP Polymer and Incubate for 5-10 minutes.

9. Rinse slides in two changes of buffer

10.. Apply DAB chromogen and incubate for 5 minutes

11. Rinse slides in of distilled water for 2 minutes.

12. Apply P504s antibody, and incubate at room temperature for 32 minutes

13. Apply Red chromogen detection and incubate for 10 minutes, rinse slides in of distilled water for 2 minutes.

14. Counterstain with hematoxylin 1 minute.

15. Rinse slide in water and place in bluing reagent for 1 minute.

16. Rinse in tap water for 2 minutes, Dehydrate, Clear in xylene and Coverslip.

Note: Immunohistochemistry is a multi-step process that is dependent on the pre-analytical variables involved in specimen processing prior to IHC staining. It is the responsibility of the end user to determine optimal conditions.

RESULTS:

Cellular Localization	
P63	Nuclear (Brown)
34be12	Cytoplasmic (Brown)
P504s	Cytoplasmic (Red)

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