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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PIN-Cocktail 1 --- P504S / p63

 nordicmubio.com/products/pin-cocktail-1-p504s-p63/PIN001-G

Catalog number: **PIN001-G**

Clone	13H4 / 4A4
Isotype	IgG/IgG2a
Units	5 ml
Host	Rabbit/Mouse
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Background

The combination of AMACR and p63 may be extremely useful for diagnosing PIN and small focus adenocarcinoma, especially in difficult cases and cases with limited tissues. This antibody cocktail may eliminate the need for 34bE12. AMACR stains cytoplasm in prostate adenocarcinoma and PIN while p63 stains basal cell nuclei in PIN and benign prostate glands. P504S (AMACR, Alpha-methylacyl-CoA racemase) is an essential enzyme in the b-oxidation of branched-chain fatty acids. High expression of AMACR protein is found in prostate adenocarcinoma but not in benign prostate tissue by immunohistochemical staining in paraffin-embedded tissue. The expression of AMACR is also detected in prostate premalignant lesions, such as prostate intraepithelial neoplasia (PIN). The p63 protein, a homologue of the tumor-suppressor p53, is highly expressed in the basal or progenitor layer of many epithelial tissues. p63 is detected in prostate basal cells in normal prostate glands and PIN. However, it is negative in prostate adenocarcinoma. Thus p63 is useful as a differential marker for benign prostate glands and adenocarcinoma (negative marker). Human AMACR (P504S) protein, Alpha-Methylacyl CoA Racemase and human p63 nuclear protein.

Source

Immunogen: 1. Human recombinant AMACR (P504S) protein, whole sequence (for rabbit monoclonal antibody 13H4); 2. Recombinant human p63 protein aa 1-205 (for mouse monoclonal antibody 4A4)

Product

Affinity purified antibodies in PBS, BSA, sodium azide (0.09%)*. Use antibody dilution buffer (e.g. Art. No. PU002) containing sufficient protein and preservative.

Purification Method: Affinity purified antibodies in PBS, BSA, sodium azide (0.09%)*. Use antibody dilution buffer (e.g. Art. No. PU002) containing sufficient protein and preservative.

Specificity

Species Reactivity: Human

Applications

IHC(C, P)

Incubation Time: 60 min at RT

Working Concentration: (RTU) neat

Pre-Treatment: Use formalin-fixed and paraffin-embedded sections; Retrieval conditions: Unmasking fluid T, TEC buffer (Tris/EDTA/Citrate) pH 8 (Art. No. DE005) in a pressure cooker at 100°C 20-40 minutes

Positive Control: Prostatic intraepithelial neoplasia

Storage

2-8°C

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. It may contain hazardous ingredients. Please refer to the Safety Data Sheets (SDS) for additional information and proper handling procedures. Dispose product remainders according to local regulations. This datasheet is as accurate as reasonably achievable, but Exalpa Biologicals accepts no liability for any inaccuracies or omissions in this information.

References

1. Jiang Z, Woda BA, Rock KL et al. (2001) P504S: a new molecular marker for the detection of prostate carcinoma. *Am J Surg Pathol* 25:1397-1404. 2. Weinstein MH, Signoretti S, Loda M (2002) Diagnostic utility of immunohistochemical staining for p63, a sensitive marker of prostatic basal cells. *Mod Pathol*. Dec;15(12):1302-8. 3. Luo J, Shan Zha, Wesley R, et al. (2002) Alpha methylacyl-CoA recemase, a new molecular marker for prostate cancer. *Cancer Res* 62:2220-2226.

Safety Datasheet(s) for this product:

NM_Sodium Azide

