

Datasheet for ABIN306658  
**anti-Calcineurin A antibody (AA 1-205)**



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## Overview

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|----------------------|---|
| Quantity:            | 100 µg  |
| Target:              | Calcineurin A (CAN)   |
| Binding Specificity: | AA 1-205  |
| Reactivity:          | Human   |
| Host:                | Mouse, Rabbit   |
| Clonality:           | Monoclonal  |
| Conjugate:           | This Calcineurin A antibody is un-conjugated  |
| Application:         | Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|-----------------------------|--|
| 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)  |
| Isotype:                    | IgG  |
| Cross-Reactivity (Details): | Human  |
| Characteristics:            | pp2Ba, rabbit anti protein phosphatase 2 B alpha calcineurin, protein phosphatase 3, 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. |

## Product Details

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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.

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Purification: Affinity purified antibodies

## Target Details

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Target: Calcineurin A (CAN)

Alternative Name: Protein Phosphatase 2 B alpha (calcineurin) ([CAN Products](#))

## Application Details

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Application Notes: Use formalin-fixed and paraffin-embedded sections, Retrieval conditions: Unmasking fluid T, TEC buffer (Tris/EDTA/Citrate) pH 8 in a pressure cooker at 100 °C 20-40 minutes, IHC(C, P), 60 min at RT, (RTU) neat

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Restrictions: For Research Use only

## Handling

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Buffer: Affinity purified antibodies in PBS, BSA, sodium azide (0.09 %). Use antibody dilution buffer containing sufficient protein and preservative.

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C

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Storage Comment: 2-8°C