Datasheet for ABIN5519029

# anti-MED4 antibody (AA 27-140)

7 Images

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | MED4 |
| Binding Specificity: | AA 27-140 |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MED4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

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|---|---|
| Purpose: | Rabbit IgG polyclonal antibody for MED4 detection. Tested with WB, IHC-P, Direct ELISA in Human,Mouse,Rat. |
| Immunogen: | E. coli-derived huamn MED4 recombinant protein (Position: R27-K140). |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for MED4 detection. Tested with WB, IHC-P, Direct ELISA in Human,Mouse,Rat.<br>Gene Name: mediator complex subunit 4<br>Protein Name: Mediator of RNA polymerase II transcription subunit 4 |
| Purification: | Immunogen affinity purified. |

## Target Details

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|---|---|
| Target: | MED4 |
| Alternative Name: | MED4 (MED4 Products) |
| Background: | Mediator of RNA polymerase II transcription subunit 4, also known as mediator complex subunit 4 (MED4), a component of Mediator or vitamin D3 receptor-interacting protein complex 36 kDa component (DRIP36), is a protein that in humans is encoded by the MED4 gene. The Mediator complex interacts with DNA-binding gene-specific transcription factors to modulate transcription by RNA polymerase II. The MED4 gene was mapped to chromosome 13 based on sequence similarity between the MED4 sequence and a genomic contig.<br><br>Synonyms: Mediator of RNA polymerase II transcription subunit 4, Activator-recruited cofactor 36 kDa component, ARC36, Mediator complex subunit 4, TRAP/SMCC/PC2 subunit p36 subunit, Vitamin D3 receptor-interacting protein complex 36 kDa component, DRIP36, MED4, ARC36, DRIP36, VDRIP, HSPC126 |
| Gene ID: | 29079 |
| Pathways: | Intracellular Steroid Hormone Receptor Signaling Pathway, Nuclear Hormone Receptor Binding, Regulation of Lipid Metabolism by PPARalpha |

## Application Details

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| Application Notes: | Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |
| Comment: | Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (ABIN921124) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P). |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide. |
| Preservative: | Sodium azide |

## Handling

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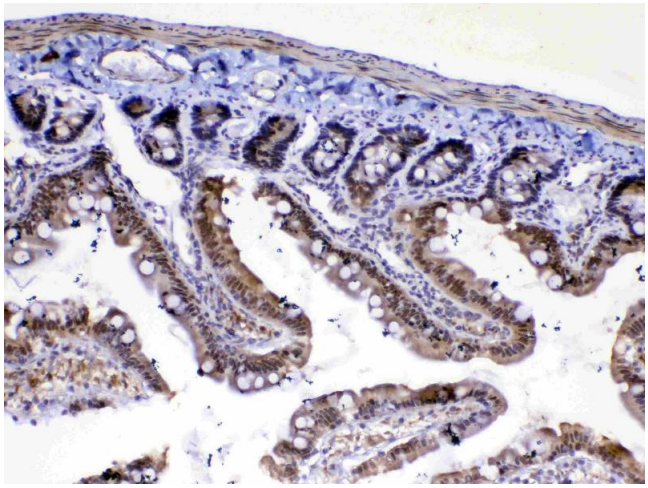
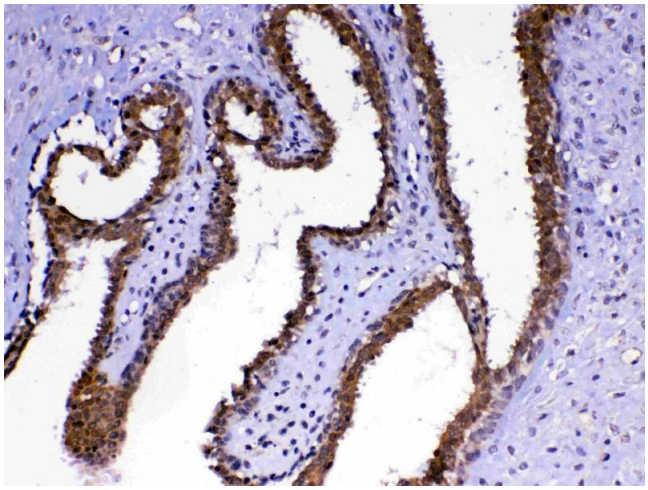
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |

## Images



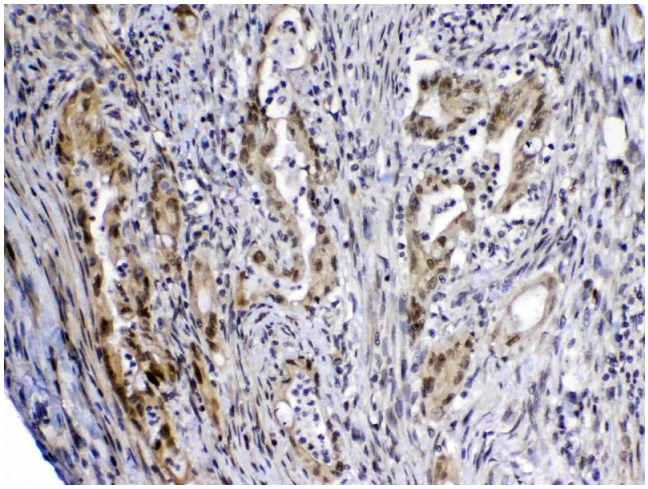
**Immunohistochemistry**

**Image 1.** IHC analysis of MED4 using anti-MED4 antibody .MED4 was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED4 Antibody overnight at 4â„ƒ. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37â„ƒ. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



**Immunohistochemistry**

**Image 2.** IHC analysis of MED4 using anti-MED4 antibody .MED4 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED4 Antibody overnight at 4â„ƒ. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37â„ƒ. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



**Immunohistochemistry**

**Image 3.** IHC analysis of MED4 using anti-MED4 antibody .MED4 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-MED4 Antibody overnight at 4â„ƒ. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37â„ƒ. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.

Please check the product details page for more images. Overall 7 images are available for ABIN5519029.