

Datasheet for ABIN3044527

anti-MDM4-binding Protein antibody (N-Term)**2** Images[Go to Product page](#)

Overview

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| Quantity: | 100 µg |
| Target: | MDM4-binding Protein (MDM4) |
| Binding Specificity: | AA 35-72, N-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This MDM4-binding Protein antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| Purpose: | Rabbit IgG polyclonal antibody for Protein Mdm4(MDM4) detection. Tested with WB, IHC-P in Human,Mouse. |
| Immunogen: | A synthetic peptide corresponding to a sequence at the N-terminus of human MDMX (35-72aa KILHAAGAQGEMFTVKEVMHYLGQYIMVKQLYDQQEQH), different from the related mouse sequence by two amino acids, and from the related rat sequence by three amino acids. |
| Sequence: | KILHAAGAQG EMFTVKEVMH YLGQYIMVKQ LYDQQEQH |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross reactivity with other proteins. |
| Characteristics: | Rabbit IgG polyclonal antibody for Protein Mdm4(MDM4) detection. Tested with WB, IHC-P in Human,Mouse. Gene Name: MDM4, p53 regulator |

Product Details

Protein Name: Protein Mdm4

Purification: Immunogen affinity purified.

Target Details

Target: MDM4-binding Protein (MDM4)

Alternative Name: MDM4 ([MDM4 Products](#))

Background: Protein Mdm4 is a protein that in humans is encoded by the MDM4 gene. This gene encodes a nuclear protein that contains a p53 binding domain at the N-terminus and a RING finger domain at the C-terminus, and shows structural similarity to p53-binding protein MDM2. Both proteins bind the p53 tumor suppressor protein and inhibit its activity, and have been shown to be overexpressed in a variety of human cancers. However, unlike MDM2 which degrades p53, this protein inhibits p53 by binding its transcriptional activation domain. This protein also interacts with MDM2 protein via the RING finger domain, and inhibits the latter's degradation. So this protein can reverse MDM2-targeted degradation of p53, while maintaining suppression of p53 transactivation and apoptotic functions. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

Synonyms: DKFZp781B1423 antibody|Double minute 4 antibody|Double minute 4 human homolog of p53 binding protein antibody|Double minute 4 protein antibody|HDMX antibody|MDM 4 antibody|Mdm2 like p53 binding protein antibody|Mdm2-like p53-binding protein antibody|MDM4 antibody|Mdm4 p53 binding protein homolog mouse antibody|Mdm4 protein antibody|MDM4 related protein 1 antibody|Mdm4 transformed 3T3 cell double minute 4 antibody|Mdm4 transformed 3T3 cell double minute 4 p53 binding protein antibody|Mdm4 transformed 3T3 cell double minute 4 p53 binding protein mouse antibody|MDM4_HUMAN antibody|Mdmx protein antibody|MGC132766 antibody|Mouse double minute 4 homolog antibody| Mouse double minute 4 human homolog of p53 binding protein antibody|MRP 1 antibody|MRP1 antibody|p53 binding protein antibody|p53 BINDING PROTEIN MDM4 antibody|p53-binding protein Mdm4 antibody|Protein Mdm4 antibody|Protein Mdmx antibody

Gene ID: 4194

UniProt: [O15151](#)

Pathways: [Cell Division Cycle](#)

Application Details

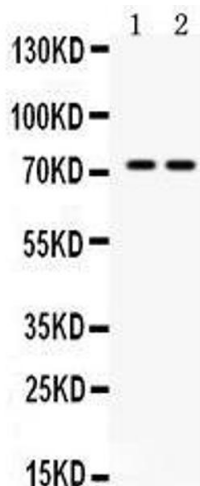
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| Application Notes: | WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |
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| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |
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| Restrictions: | For Research Use only |
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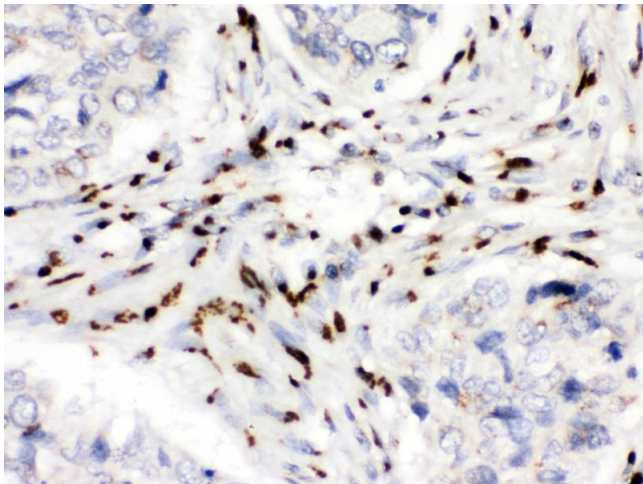
Handling

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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 Na ₂ HPO ₄ , 0.05 mg Sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing. |



Western Blotting

Image 1. Western blot analysis of MDMX expression in mouse testis extract (lane 1) and 22RV1 whole cell lysates (lane 2). MDMX at 75KD was detected using rabbit anti-MDMX Antigen Affinity purified polyclonal antibody at 0.5 μ g/mL. The blot was developed using chemiluminescence (ECL) method



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. MDMX was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti-MDMX Antigen Affinity purified polyclonal antibody at 1 μ g/mL. The immunohistochemical section was developed using SABC method