

## MDM2 Antibody

Catalog No: #21436

Package Size: #21436-1 50ul #21436-2 100ul

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## Description

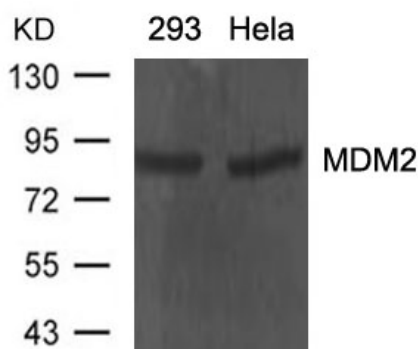
|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | MDM2 Antibody                                                                                                                                                                 |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB                                                                                                                                                                            |
| Species Reactivity    | Hu                                                                                                                                                                            |
| Specificity           | The antibody detects endogenous levels of total MDM2 protein.                                                                                                                 |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.18~22(Q-I-P-A-S) derived from Human MDM2.                                                                                                          |
| Target Name           | MDM2                                                                                                                                                                          |
| Other Names           | HDMX; hdm2;                                                                                                                                                                   |
| Accession No.         | Swiss-Prot: Q00987NCBI Protein: NP_002383.2                                                                                                                                   |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

Predicted MW: 90kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from 293 and HeLa cells using MDM2 Antibody #21436.

## Background

MDM2, a ubiquitin ligase for p53, plays a central role in regulation of the stability of p53. Akt-mediated phosphorylation of MDM2 at Ser166 and

Ser186 increases its interaction with p300, allowing MDM2-mediated ubiquitination and degradation of p53 . Phosphorylation of MDM2 also blocks its binding to p19ARF, increasing the degradation of p53 .

Haupt, Y. et al. (1997) Nature 387, 296-299.

Mayo, L.D. and Donner, D.B. (2001) Proc. Natl. Acad. Sci. USA 98, 11598-11603.

Zhou, B. P. et al. (2001) Nat. Cell Biol. 3, 973-981.

Grossman, S. R. et al. (1998) Mol. Cell 2, 405-415.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.