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## anti-MDM2 antibody (pSer166)

**Images** 



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Quantity:	100 μL
Target:	MDM2
Binding Specificity:	pSer166
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MDM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Peptide sequence around phosphorylation site of Serine 166 (A-I-S(p)-E-T) derived from Human MDM2.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi
Target Details	

Target:	MDM2
Alternative Name:	MDM2 (MDM2 Products)

#### Target Details

Background:

Background: This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive inactivation of tumor protein p53, diminishing its tumor suppressor function. This protein has E3 ubiquitin ligase activity, which targets tumor protein p53 for proteasomal degradation. This protein also affects the cell cycle, apoptosis, and tumorigenesis through interactions with other proteins, including retinoblastoma 1 and ribosomal protein L5. More than 40 different alternatively spliced transcript variants have been isolated from both tumor and normal tissues

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

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

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

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

Aliases: ACTFS antibody, Double minute 2 protein antibody, E3 ubiquitin-protein ligase Mdm2 antibody, Hdm 2 antibody, Hdm2 antibody, HDMX antibody, MDM 2 antibody, MDM2 antibody, MDM2 antibody, MDM2 oncogene E3 ubiquitin protein ligase antibody, Mdm2 p53 E3 ubiquitin protein ligase homolog antibody, Mdm2 transformed 3T3 cell double minute 2 p53 binding protein (mouse) binding protein 104 kDa antibody, MDM2\_HUMAN antibody, MDM2BP antibody, Mouse Double Minute 2 antibody, MTBP antibody, Murine Double Minute Chromosome 2 antibody, Oncoprotein Mdm2 antibody, p53 Binding Protein Mdm2 antibody, p53-binding protein Mdm2 antibody, Ubiquitin protein ligase E3 Mdm2 antibody, Ubiquitin protein ligase E3 Mdm2 antibody

UniProt:

Q00987

Pathways:

p53 Signaling, PI3K-Akt Signaling, Cell Division Cycle, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Autophagy, Ubiquitin Proteasome Pathway

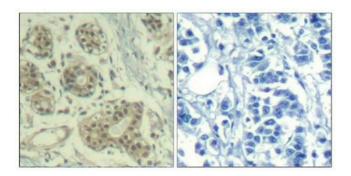
#### **Application Details**

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only
Handling	
Format:	Liquid

#### Handling

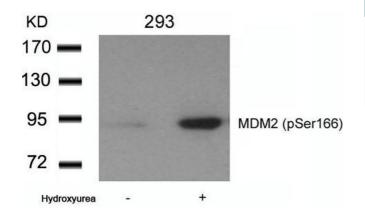
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
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### Images



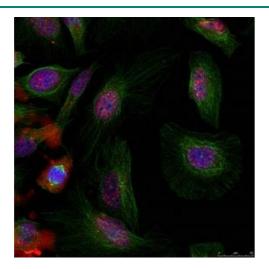
#### **Immunohistochemistry**

**Image 1.** Immunohistochemical analysis of paraffinembedded human breast carcinoma tissue using MDM2(Phospho-Ser166) Antibody(left) or the same antibody preincubated with blocking peptide(right).



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts from 293 cells untreated or treated with Hydroxyurea using MDM2(phospho-Ser166) Antibody.



#### Immunofluorescence

**Image 3.** Immunofluorescence staining of methanol-fixed Hela cells using MDM2(phospho-Ser166) Antibody.