

## 35-1330: Polyclonal Antibody to MDM2 (phospho-Ser166)

Clonality :	Polyclonal
Application :	WB,IHC,IF
Reactivity :	Human
Gene :	MDM2
Gene ID :	4193
Uniprot ID :	Q00987
Format :	Purified
Alternative Name :	HDMX,hdm2
Isotype :	Rabbit IgG
Immunogen Information	Peptide sequence around phosphorylation site of Serine 166 (A-I-S(p)-E-T) derived from Human MDM2.

## Description

**Droduct Info** 

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

Product milo	
Amount :	50 μl / 100 μl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

## **Application Note**

Predicted MW: 90kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200

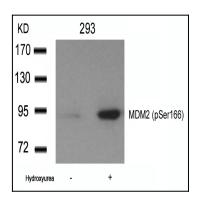


Figure 1: Western blot analysis of extracts from 293 cells untreated or treated with Hydroxyurea using MDM2(phospho-Ser166) Antibody 35-1330 .

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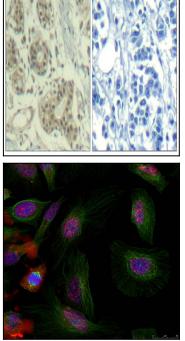


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MDM2(Phospho-Ser166) Antibody 35-1330 (left) or the same antibody preincubated with blocking peptide(right).

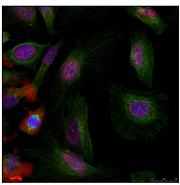


Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using MDM2(phospho-Ser166) Antibody 35-1330.