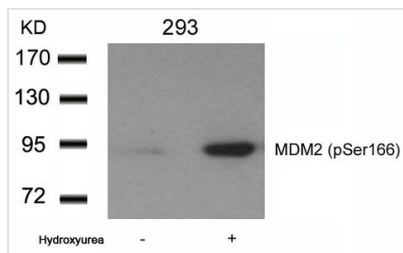


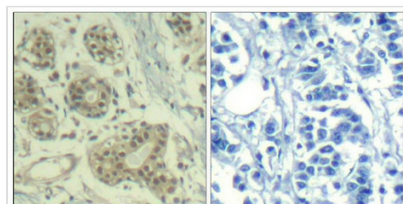


Phospho-MDM2 (Ser166) Antibody

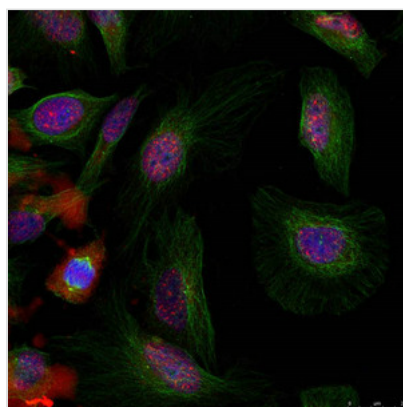
Product Code	CSB-PA073718
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q00987
Immunogen	Peptide sequence around phosphorylation site of Serine 166 (A-I-S(p)-E-T) derived from Human MDM2.
Raised In	Rabbit
Species Reactivity	Human
Specificity	The antibody detects endogenous level of MDM2 only when phosphorylated at serine 166.
Tested Applications	ELISA,WB,IHC,IF;WB:1:500-1:1000,IHC:1:50-1:100,IF:1:100-1:200
Relevance	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.
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatography
Clonality	Polyclonal
Alias	HDMX, hdm2
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	MDM2
Image	



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



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



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

Product Modify

Phospho-Ser166