

#11550

MDM2 (phospho-Ser166) Antibody

Catalog: #11550-1 50µl **Orders:** order@signalwayantibody.com
 #11550-2 100µl **Support:** tech@signalwayantibody.com
Storage: Store at -20°C/1 year **Web:** www.signalwayantibody.com



Application	Species Reactivity	Source	Molecular Wt.
WB IHC IF	Human	Rabbit Polyconal Ab	90KD

Description: 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 using non-phosphopeptide.

Specificity: The antibody detects endogenous level of MDM2 only when phosphorylated at serine 166.

Immunogen: Peptide sequence around phosphorylation site of Serine 166 (A-I-S(p)-E-T) derived from Human MDM2.

Formulation: 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.

Synonyms:

Accession No.: Swiss-Prot#: Q00987 NCBI Gene#: 4193
 NCBI Protein#: NP_002383.2

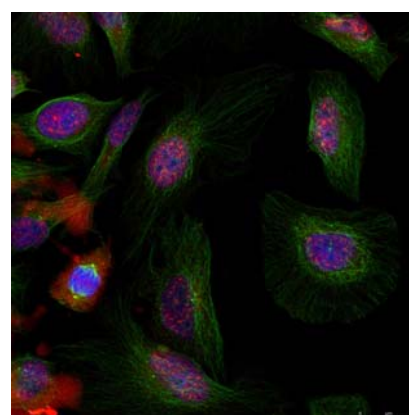
Background: This gene is a target gene of the transcription factor tumor protein p53. The encoded protein is a nuclear phosphoprotein that binds and inhibits transactivation by tumor protein p53, as part of an autoregulatory negative feedback loop. Overexpression of this gene can result in excessive 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

References:

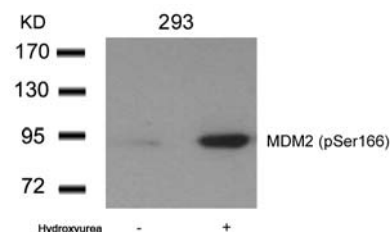
Haupt, Y. et al. (1997) Nature 387, 296-299.
 Zhou, B. P. et al. (2001) Nat. Cell Biol. 3, 973-981.
 Grossman, S. R. et al. (1998) Mol. Cell 2, 405-415.
 Mayo, L.D. and Donner, D.B. (2001) Proc. Natl. Acad. Sci. USA 98, 11598-11603.

Recommended Dilutions:

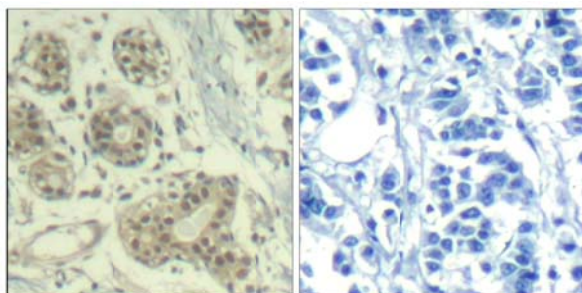
Western blotting 1:500~1:1000
 Immunohistochemistry 1:50~1:100
 Immunofluorescence 1:100~1:200



Immunofluorescence staining of methanol-fixed HeLa cells using MDM2 (phospho-Ser166) Antibody #11550.



Western blot analysis of extracts from 293 cells untreated or treated with Hydroxyurea using MDM2 (phospho-Ser166) Antibody #11550.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MDM2 (Phospho-Ser166) Antibody #11550 (left) or the same antibody preincubated with blocking peptide (right).

Citation:

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Related Pathway: DNA damage/repair

Note: For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

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