

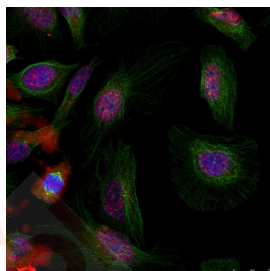
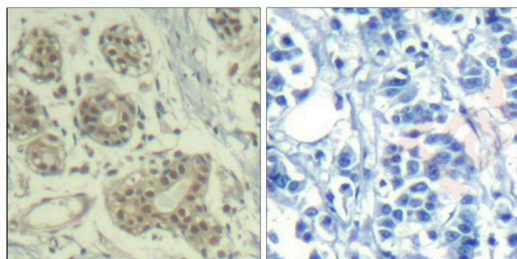
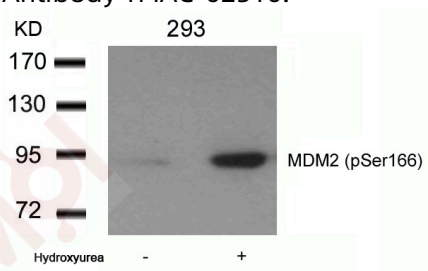
Anti-Phospho-MDM2 (Ser166) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
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 chromatography using non-phosphopeptide.

Applications

- Verified Activity:
- Western blot analysis of extracts from 293 cells untreated or treated with Hydroxyurea using MDM2 (phospho-Ser166) Antibody TMAC-02510.
 - Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using MDM2 (Phospho-Ser166) Antibody TMAC-02510 (left) or the same antibody preincubated with blocking peptide (right).
 - Immunofluorescence staining of methanol-fixed Hela cells using MDM2 (phospho-Ser166) Antibody TMAC-02510.



Application: IF,IHC,WB

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 166 (A-I-S(p)-E-T) derived from Human MDM2
Antigen Species:	Human
Uniprot ID:	Q00987
Synonyms:	p-MDM2 (Ser166);p-MDM2 (S166);MDM2 (p-Ser166);MDM2 (p-S166)

Research 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481