

## MDM2 (phospho-S166) polyclonal antibody

Catalog: BS4273

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

p53 is the most commonly mutated gene in human cancer identified to date. Expression of p53 leads to inhibition of cell growth by preventing progression of cells from G1 to S phase of the cell cycle. Most importantly, p53 functions to cause arrest of cells in the G1 phase of the cell cycle following any exposure of cells to DNA-damaging agents. The MDM2 (murine double minute-2) protein was initially identified as an oncogene in a murine transformation system. MDM2 functions to bind p53 and block p53-mediated transactivation of cotransfected reporter constructs. The MDM2 gene is amplified in a high percentage of human sarcomas that retain wildtype p53 and tumor cells that overexpress MDM2 can tolerate high levels of p53 expression. These findings argue that MDM2 overexpression represents at least one mechanism by which p53 function can be abrogated during tumorigenesis.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 55, 90 kDa

### Swiss-Prot:

Q00987

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

### Storage&Stability:

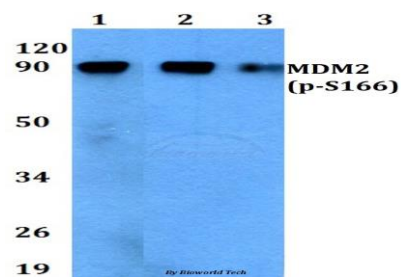
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

### Specificity:

p-MDM2 (S166) polyclonal antibody detects endogenous levels of MDM2 protein only when phosphorylated at Ser166

### DATA:

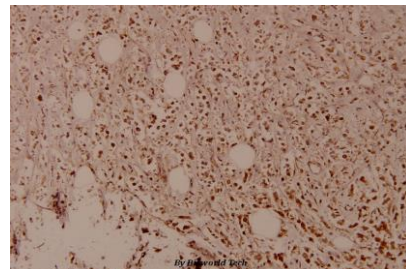


Western blot (WB) analysis of p-MDM2 (S166) polyclonal antibody at 1:500 dilution

Lane1: THP-1 cell lysate treated with EGF(0.1ng/ml,30mins)

Lane2: Raw264.7 cell lysate treated with EGF(0.1ng/ml,30mins)

Lane3: H9C2 cell lysate treated with EGF(0.1ng/ml,30mins)



Immunohistochemistry (IHC) analyzes of p-MDM2 (S166) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.

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