bs-3266R

## [ Primary Antibody ]

## phospho-MDM2 (Ser166) Rabbit pAb



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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 4193 **SWISS:** Q00987

Target: MDM2 (Ser166)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human

MDM2 around the phosphorylation site of Ser166: AI(p-S)ET.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Inhibits TP53/p53- and TP73/p73-mediated cell cyclearrest and

apoptosis by binding its transcriptional activation domain. Functions as a ubiquitin ligase E3, in the presence of E1 and E2, toward p53 and itself. Permits the nuclear export of p53 and targets it for proteasome-mediated proteolysis. Binds p53, p73, ARF(P14), ribosomal protein L5 and specifically to RNA. Can interact also with retinoblastoma protein(RB), E1A-associated protein EP300 and the E2F1 transcription factor. Forms a ternary complex with TP53/p53 and WWOX. Interacts with CDKN2AIP, MTBP, TRBG1 and USP7. Isoform Mdm2-F does not interact with TP53/p53. Interacts with PYHIN1. Interacts with, and ubiquitinates

HIV-1 Tat. Belongs to the MDM2/MDM4 family.

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500) Flow-Cyt (1µg/Test) ICC/IF (1:100-500)

Reactivity: Human (predicted: Mouse,

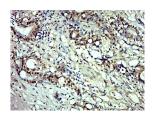
Rat, Rabbit, Horse)

**Predicted** 55 kDa MW.:

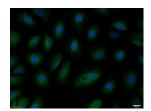
Subcellular

Location: Cytoplasm ,Nucleus

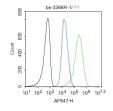
## **VALIDATION IMAGES**



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-MDM2 (Ser166)) Polyclonal Antibody, Unconjugated (bs-3266R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-MDM2 (Ser166)) polyclonal Antibody, Unconjugated (bs-3266R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control:Molt4. Primary Antibody (green line): Rabbit Anti-Phospho-MDM2 (Ser166) antibody (bs-3266R) Dilution: 1µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5%BSA to block nonspecific protein-protein interactions for 30 min at room temperature . Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## — SELECTED CITATIONS –

• [IF=5.7] Hee-Yeon Kim. et al. Veratramine Inhibits the Cell Cycle Progression, Migration, and Invasion via ATM/ATR

Pathway in Androgen-Independent Prostate Cancer. AM J CHINESE MED. 2023 Jun 30 WB; Mouse, Human. 37385965