bs-0714R **[Primary Antibody]**

HPV16 E7 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: HPV16 E7

Immunogen: KLH conjugated synthetic peptide derived from HPV16 E7 protein: 41-90/98.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

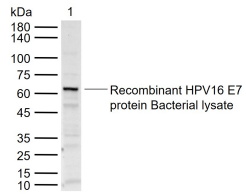
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1ug/Test)

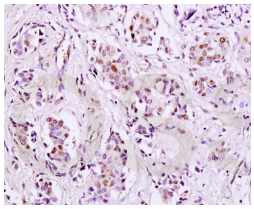
Reactivity: Human, HPV16

Predicted MW.: 11 kDa

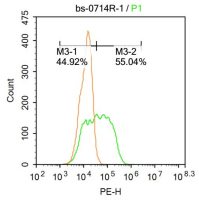
VALIDATION IMAGES



Sample: Lane 1: Recombinant HPV16 E7 protein Bacterial lysate, DsbC & His(bs-49101L) Primary: Anti-HPV16 E7 (bs-0714R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 11 kDa Observed band size: 61 kDa



Tissue/cell: human breast cancer; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-HPV16-E7 Polyclonal Antibody, Unconjugated(bs-0714R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: Hela. Primary Antibody (green line): Rabbit Anti-HPV16 E7 antibody (bs-0714R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE 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 non-specific protein-protein interactions for 30 min at 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=9.3]** Fu-Chun Huo. et al. HPV E7-drived ALKBH5 promotes cervical cancer progression by modulating m6A modification of PAK5. PHARMACOL RES. 2023 Jul;:106863 WB ;Human. 37480971
- **[IF=4.848]** Tang Jia-Yi. et al. HPV 16 E6/E7 Promote the Glucose Uptake of GLUT1 in Lung Cancer Through Downregulation of TXNIP Due to Inhibition of PTEN Phosphorylation. Front Oncol. 2020 Nov;10:2470 WB ;Human. 33282728
- **[IF=4.257]** Hong-Miao Wang. et al. HPV16 E6/E7 promote the translocation and glucose uptake of GLUT1 by PI3K/AKT pathway via relieving miR-451 inhibitory effect on CAB39 in lung cancer cells:. Ther Adv Chronic Dis. 2020;(): WB ;Human. 32994913
- **[IF=3.182]** NJ Gu et al. HPV 16 E6/E7 up-regulate the expression of both HIF-1α and GLUT1 by inhibition of RRAD and activation of NF-κB in lung cancer cells. Journal of Cancer 2019; 10(27): 6903-6909. WB ;Human. doi:10.7150/jca.37070