bs-3122R **[Primary Antibody]**

phospho-Cyclin B1 (Ser147) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 891 **SWISS:** P14635

Target: Cyclin B1 (Ser147)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Cyclin B1 around the phosphorylation site of Ser147: AF(p-S)DV.

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: The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq, Jul 2008].

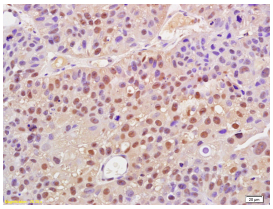
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg /Test)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Cow, Chicken, Dog, GuineaPig, Horse)

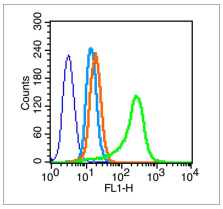
Predicted MW.: 48 kDa

Subcellular Location: Cytoplasm ,Nucleus

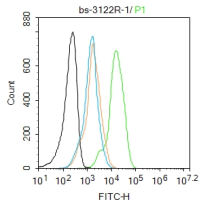
VALIDATION IMAGES



Tissue/cell: human bladder carcinoma; 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-Phospho-Cyclin B1(Ser147) Polyclonal Antibody, Unconjugated(bs-3122R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): A549 (blue). Primary Antibody (green line): Rabbit Anti-Phospho-Cyclin B1 (Ser147) antibody(bs-3122R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): F(ab')2 fragment goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min at room temperature.Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control:Hela. Primary Antibody (green line): Rabbit Anti-Phospho-Cyclin B1 (Ser147) antibody (bs-3122R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1μg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific 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=4.546]** Qing Li. et al. Fumonisin B1 Inhibits Cell Proliferation and Decreases Barrier Function of Swine Umbilical Vein Endothelial Cells. Toxins. 2021 Dec;13(12):863 WB ;Pig. 34941701

- **[IF=3.9]** Hawash, Mohammed MA, et al. "Synthesis and biological evaluation of novel pyrazolic chalcone derivatives as novel hepatocellular carcinoma therapeutics." European Journal of Medicinal Chemistry (2017). WB ;="Human". 28219046
- **[IF=1.641]** Yafei Jiao. et al. PS48 promotes in vitro maturation and developmental competence of porcine oocytes through activating PI3K/Akt signalling pathway. Reprod Domest Anim. 2020 Dec;55(12):1678-1687 WB ;Porcine. 32946622