

bs-5277R**[Primary Antibody]****Bioss**
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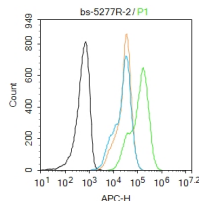
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Phospho-CDK2 (Thr14) Rabbit pAb**— DATASHEET —**

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| <p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 1017</p> <p>Target: Phospho-CDK2 (Thr14)</p> <p>Immunogen: KLH conjugated Synthesised phosphopeptide derived from human CDK2 around the phosphorylation site of Thr14: EG(p-T)YG.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>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.</p> <p>Background: The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein kinase is highly similar to the gene products of <i>S. cerevisiae cdc28</i>, and <i>S. pombe cdc2</i>. It is a catalytic subunit of the cyclin-dependent protein kinase complex, whose activity is restricted to the G1-S phase, and essential for cell cycle G1/S phase transition. This protein associates with and regulated by the regulatory subunits of the complex including cyclin A or E, CDK inhibitor p21Cip1 (CDKN1A) and p27Kip1 (CDKN1B). Its activity is also regulated by its protein phosphorylation. Two alternatively spliced variants and multiple transcription initiation sites of this gene have been reported. [provided by RefSeq, Jul 2008].</p> | <p>Isotype: IgG</p> <p>SWISS: P24941</p> | <p>Applications: Flow-Cyt (1µg/Test)</p> <p>Reactivity: Human (predicted: Mouse, Rat, Rabbit, Cow, Dog, Horse)</p> <p>Predicted MW.: 34 kDa</p> <p>Subcellular Location: Cytoplasm ,Nucleus</p> |
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— VALIDATION IMAGES —

Blank control: Molt4. Primary Antibody (green line): Rabbit Anti-Phospho-CDK2 (Thr14) antibody (bs-5277R) Dilution: 2µg /10⁶ 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 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=12.91]** Tao Wang, et al. ABRO1 arrests postnatal cardiomyocyte proliferation and myocardial repair by blocking N6-

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

methyladenosine methylation and expression of PSPH. MOL THER. 2023 Jan;; WB ;MOUSE. 36639869

- **[IF=4.57]** Liao, Fang-Hsuean, et al. "T cell proliferation and adaptive immune responses are critically regulated by protein phosphatase 4." Cell Cycle (2016). WB ;="Mouse". 26940341