

bs-0568R**[Primary Antibody]**

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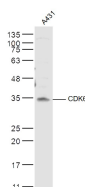
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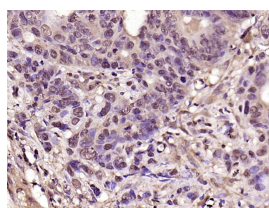
CDK6 Rabbit pAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 1021**SWISS:** Q00534**Target:** CDK6**Immunogen:** KLH conjugated synthetic peptide derived from human CDK6: 21-110/326.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 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.

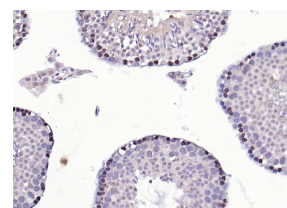
Background: The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* cdc28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression and G1/S transition. The activity of this kinase first appears in mid-G1 phase, which is controlled by the regulatory subunits including D-type cyclins and members of INK4 family of CDK inhibitors.

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, Mouse, Rat
(predicted: Cow, Dog, Horse)**Predicted MW.:** 37 kDa**Subcellular Location:** Cytoplasm ,Nucleus**VALIDATION IMAGES**

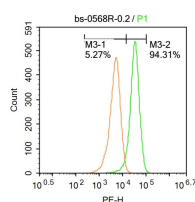
Sample: A431(Human) Cell Lysate at 30 ug
Primary: Anti-CDK6 (bs-0568R) at 1/500 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kD
Observed band size: 35 kD



Paraformaldehyde-fixed, paraffin embedded (human rectal 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 (CDK6) Polyclonal Antibody, Unconjugated (bs-0568R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); 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 (CDK6) Polyclonal Antibody, Unconjugated (bs-0568R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control: Molt-4. Primary Antibody (green line): Rabbit Anti-CDK6 antibody (bs-0568R)
Dilution: 1µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary

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

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 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=10.75]** Tian Xiangdong. et al. Autophagy Inhibition Contributes to Apoptosis of PLK4 Downregulation-induced Dormant Cells in Colorectal Cancer. INT J BIOL SCI. 2023 May;19(9):2817-2834 WB ;Human. 37324947
- **[IF=4.9]** Gegentuya Bao. et al. LPAR6 Inhibits the Progression of Hepatocellular Carcinoma (HCC) by Suppressing the Nuclear Translocation of YAP/TAZ. INT J MOL SCI. 2025 Jan;26(9):4205 WB ;Human. 40362442
- **[IF=5.168]** He, Xiaoqin, et al. "Long non-coding RNA AK058003, as a precursor of miR-15a, interacts with HuR to inhibit the expression of Y-synuclein in hepatocellular carcinoma cells." Oncotarget 8.6 (2017): 9451. WB ;="Human". 28035067
- **[IF=3.9]** Zhang, Haifeng, et al. "The CIC-3 chloride channel protein is a downstream target of cyclin D1 in nasopharyngeal carcinoma cells." The international journal of biochemistry & cell biology 45.3 (2013): 672-683. Other ;="". 23270726
- **[IF=3.74]** Hu, Zheng, et al. "5-Aminolevulinic acid-mediated sonodynamic therapy induces anti-tumor effects in malignant melanoma via p53-miR-34a-Sirt1 axis." Journal of dermatological science 79.2 (2015): 155-162. WB ;="Mouse". 25982144