

bs-20596R**[Primary Antibody]****Bioss**
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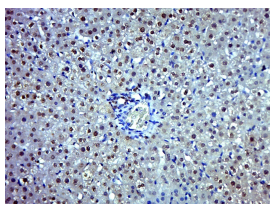
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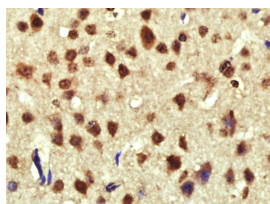
400-901-9800

Cyclin D1 Rabbit pAb**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 595**SWISS:** P24385**Target:** Cyclin D1**Immunogen:** KLH conjugated synthetic peptide derived from human Cyclin D1: 101-200/295.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

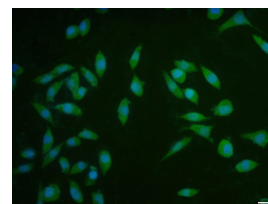
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of tumors and may contribute to tumorigenesis. [provided by RefSeq, Jul 2008].**Applications:** IHC-P (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (3µg/Test)**ICC/IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted**
MW.: 32 kDa**Subcellular** Cell membrane ,Cytoplasm
Location: ,Nucleus**— VALIDATION IMAGES —**

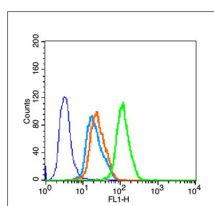
Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cyclin D1) Polyclonal Antibody, Unconjugated (bs-20596R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Cyclin D1) Polyclonal Antibody, Unconjugated (bs-20596R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



A431 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 (Cyclin D1) polyclonal Antibody, Unconjugated (bs-20596R) 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 (blue line): MCF 7 (fixed with 70%)

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

methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-Cyclin D1 antibody (bs-20596R), Dilution: 3µg /10⁵ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, Dilution: 1µg /test.

— SELECTED CITATIONS —

- **[IF=11.205]** Cong Lan. et al. Inhibition of DYRK1A, via histone modification, promotes cardiomyocyte cell cycle activation and cardiac repair after myocardial infarction. EBIOMEDICINE. 2022 Aug;82:104139 WB ;Rat. 35810562
- **[IF=8.2]** Xiaoyu Yue. et al. Taraxacum mongolicum polysaccharides promotes promote white adipocyte browning by regulating miR-134-3p via Akt/GSK-3β signalling. INT J BIOL MACROMOL. 2023 Nov;;128296 WB ;Sheep. 38000580
- **[IF=6.291]** Jing Wu. et al. The role of ER stress and ATP/AMPK in oxidative stress mediated hepatotoxicity induced by citrinin. ECOTOX ENVIRON SAFE. 2022 Jun;237:113531 WB ;Human. 35483142
- **[IF=6.208]** Xiaoyu Yue. et al. circITGB1 Regulates Adipocyte Proliferation and Differentiation via the miR-23a/ARRB1 Pathway. INT J MOL SCI. 2023 Jan;24(3):1976 WB ;Sheep. 36768295
- **[IF=4.599]** Juan Tan. et al. Circ_0124644 Serves as a ceRNA for miR-590-3p to Promote Hypoxia-Induced Cardiomyocytes Injury via Regulating SOX4. Front Genet. 2021; 12: 667724 WB ;Human. 34249089