

**bs-0660R****[ Primary Antibody ]****Bioss**  
**ANTIBODIES**

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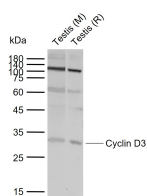
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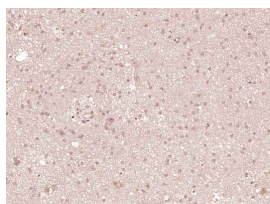
400-901-9800

**Cyclin D3 Rabbit pAb****DATASHEET**

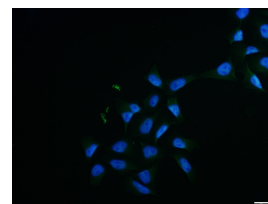
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 896	<b>SWISS:</b> P30281	
<b>Target:</b> Cyclin D3		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Cyclin D3: 121-220/292.		
<b>Purification:</b> affinity purified by Protein A		<b>Reactivity:</b> Human, Mouse, Rat (predicted: Rabbit, Pig, Cow, Dog)
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through 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 and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2008].		
		<b>Predicted MW.:</b> 32 kDa
		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus

**VALIDATION IMAGES**

Sample: Lane 1: Mouse Testis tissue lysates  
Lane 2: Rat Testis tissue lysates  
Primary: Anti-Cyclin D3 (bs-0660R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 32 kDa  
Observed band size: 32 kDa



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); 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 D3) Polyclonal Antibody, Unconjugated (bs-0660R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Hela 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 D3) polyclonal Antibody, Unconjugated (bs-0660R) 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.

**SELECTED CITATIONS**

- **[IF=7.7]** Xinyi Zhou. et al. Identification of MACC1 as a potential biomarker for pulmonary arterial hypertension based on bioinformatics and machine learning. COMPUT BIOL MED. 2024 May;173:108372 IF ;Mouse,Human. 38552277
- **[IF=7.7]** Jing Xie. et al. Mechanically stimulated osteocytes maintain tumor dormancy in bone metastasis of non-small

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cell lung cancer by releasing small extracellular vesicles. ELIFE. 2024 Mar IF ;Mouse,Human. 38547196

- **[IF=3.177]** Xue Zhang. et al. Stomatin-like protein 2 (SLP2) regulates the proliferation and invasion of trophoblast cells by modulating mitochondrial functions. Placenta. 2020 Oct;100:13 WB ;Human. 32814233
- **[IF=2.8]** Wen Yu Zhang. et al. AMPK regulates immature boar Sertoli cell proliferation through affecting CDK4/Cyclin D3 pathway and mitochondrial function. THERIOGENOLOGY. 2024 Aug;224:9 WB ;Pig. 38714024