

**bs-23016R****[ Primary Antibody ]****Bioss**  
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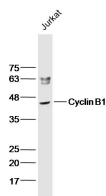
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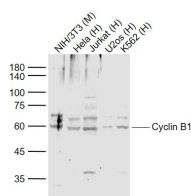
400-901-9800

**Cyclin B1 Rabbit pAb****— DATASHEET —**

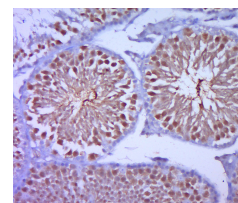
<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 891 <b>Target:</b> Cyclin B1 <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Cyclin B1: 351-433/433. <b>Purification:</b> affinity purified by Protein A <b>Concentration:</b> 1mg/ml <b>Storage:</b> 0.01M TBS (pH7.4) 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 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].	<b>Isotype:</b> IgG  <b>SWISS:</b> P14635	<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>Reactivity:</b> Human, Mouse (predicted: Rat, Rabbit, Sheep, Cow)  <b>Predicted MW.:</b> 48 kDa  <b>Subcellular Location:</b> Cytoplasm ,Nucleus
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**— VALIDATION IMAGES —**

Sample: Jurkat Cell Lysate at 40 ug Primary: Anti-Cyclin B1(bs-23016R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48kD  
Observed band size: 45 kD



Sample: Lane 1: NIH/3T3 (Mouse) Cell Lysate at 30 ug Lane 2: HeLa (Human) Cell Lysate at 30 ug  
Lane 3: Jurkat (Human) Cell Lysate at 30 ug Lane 4: U2os (Human) Cell Lysate at 30 ug Lane 5: K562 (Human) Cell Lysate at 30 ug  
Primary: Anti-Cyclin B1 (bs-23016R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55-60 kD  
Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); 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 B1) Polyclonal Antibody, Unconjugated (bs-23016R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=3.8]** Cuicui Zhuang. et al. Escherichia coli infection mediates pyroptosis via activating p53-p21 pathway-regulated apoptosis and cell cycle arrest in bovine mammary epithelial cells. MICROB PATHOGENESIS. 2023 Sep;;106338 WB ;Bovine. 37683833
- **[IF=1.8]** Gong Zhian. et al. IFRD2, a target of miR-2400, regulates myogenic differentiation of bovine skeletal muscle satellite cells via decreased phosphorylation of ERK1/2 proteins. J MUSCLE RES CELL M. 2024 Jun;;1-10 WB ;Bovine. 38896394