

Cyclin B1 Rabbit pAb

Catalog Number: bs-0572R

Target Protein: Cyclin B1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test), ICC/IF (1:100)

Reactivity: Human, Mouse, Rat (predicted:Cow)

Predicted MW: 48 kDa

Entrez Gene: 891

Swiss Prot: P14635

Source: KLH conjugated synthetic peptide derived from human Cyclin B1: 271-433/433.

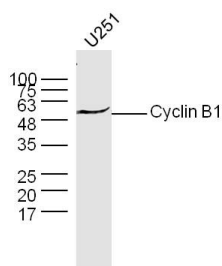
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

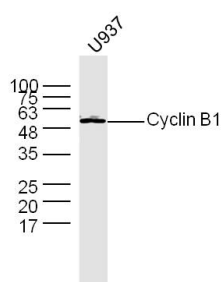
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The protein encoded by this gene is a 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].

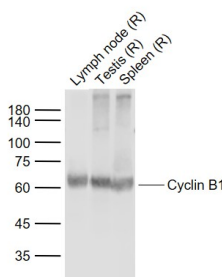
VALIDATION IMAGES



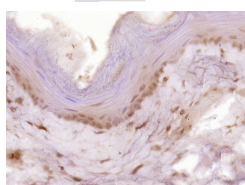
Sample: U251 Cell (Human) Lysate at 30 ug Primary: Anti- Cyclin B1 (bs-0572R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 50 kD



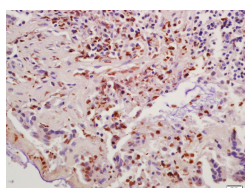
Sample: U937 Cell (Human) Lysate at 30 ug Primary: Anti- Cyclin B1 (bs-0572R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 50 kD



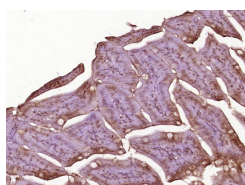
Sample: Lane 1: Lymph node (Rat) Lysate at 40 ug Lane 2: Testis (Rat) Lysate at 40 ug Lane 3: Spleen (Rat) Lysate at 40 ug Primary: Anti-Cyclin B1 (bs-0572R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55-60 kD Observed band size: 60 kD



Paraformaldehyde-fixed, paraffin embedded (Rat esophageal); 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-0572R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: human colon carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Cyclin B1 Polyclonal Antibody, Unconjugated(bs-0572R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); 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-0572R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.65] Zhang L et al. Silica Nanoparticles exacerbates reproductive toxicity development in high-fat diet-treated Wistar rats. J Hazard Mater. 2019 Oct 1;121361. WB ; Rat . 31606252

[IF=5.858] Luchen Sun. et al. Pretreatment of umbilical cord derived MSCs with IFN- γ and TNF- α enhances the tumor-suppressive effect on acute myeloid leukemia. Biochem Pharmacol. 2022 May;199:115007 WB ; Human . 35307345

[IF=5.01] Ghate, N. B., et al. "Sundew plant, a potential source of anti-inflammatory agents, selectively induces G2/M arrest and apoptosis in MCF-7 cells through upregulation of p53 and Bax/Bcl-2 ratio." Cell Death Discovery 2 (2016). WB ; ="Human" . 27551490

[IF=5.008] Guo, Hongrui, et al. "Dietary NiCl₂ causes cell cycle arrest in the broiler's kidney." Oncotarget. (2015) 6.34:35964-77. IHC ; ="Chicken" . 26440151

[IF=3.73] Ghate, Nikhil Baban, et al. "An Antioxidant Extract of Tropical Lichen, Parmotrema reticulatum, Induces Cell Cycle Arrest and Apoptosis in Breast Carcinoma Cell Line MCF-7." PLOS ONE 8.12 (2013): e82293. WB ; ="Human" . 24358166

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