bsm-52044R **[Primary Antibody]**

Cyclin B1 Recombinant Rabbit mAb

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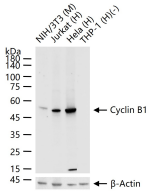
DATASHEET

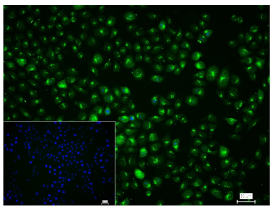
Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 2E6
GeneID: 891
SWISS: P14635
Target: Cyclin B1
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: The protein encoded by this gene is a 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].

Applications: **WB** (1:500-2000)
Flow-Cyt (1µg/Test)
ICC/IF (1:50-200)
Reactivity: Human, Mouse
Predicted MW.: 48 kDa
Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with Cyclin B1 monoclonal antibody, unconjugated (bsm-52044R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Cyclin B1) monoclonal Antibody, unconjugated (bsm-52044R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-40295G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

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=5.6]** Shasha Liu. et al. Dietary flavonoid tectochrysin synergistically enhances cisplatin sensitivity on ovarian cancer cells through targeting the CDK1/cyclin B1 pathway. J FUNCT FOODS. 2024 Jun;117:106243 WB ;Mouse,Human. 10.1016/j.jff.2024.106243
- **[IF=4.3]** Qinbing Xue. et al. Lycorine (Lycoris radiata)—a unique natural medicine on breast cancer. J CELL MOL MED. 2024 Aug;28(16):e70032 WB ;Human. 39175104
- **[IF=3.4]** Chunlin Yin. et al. MiR-424-5p suppresses tumor growth and progression by directly targeting CHEK1 and activating cell cycle pathway in Hepatocellular Carcinoma. HELIYON. 2024 Sep;10: WB ;Human. 39309825