

bsm-52048R**[Primary Antibody]****BioSS**
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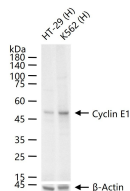
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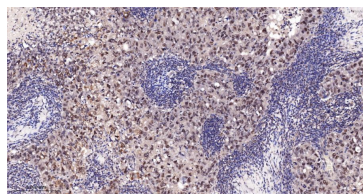
400-901-9800

Cyclin E1 Recombinant Rabbit mAb**— DATASHEET —**

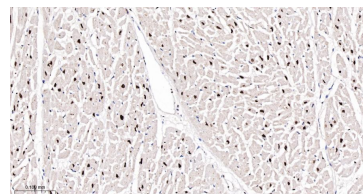
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:50-200)
Clonality: Recombinant	CloneNo.: 4H7	
GeneID: 898	SWISS: P24864	
Target: Cyclin E1		
Immunogen: A synthesized peptide derived from human Cyclin E1: 350-410.		
Purification: affinity purified by Protein A		Reactivity: Human
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.		Predicted MW.: 45 kDa
Background: Cyclin E is a regulatory subunit of Cdk2 and controls G1 / S transition during the mammalian cell cycle. Multiple isoforms of Cyclin E are only expressed in tumors but not in normal tissue, suggesting a post transcriptional regulation of Cyclin E. In vitro analyses indicated that these truncated variant isoforms of Cyclin E are able to phosphorylate histone H1. Alterations in the Cyclin E protein have been implicated as indicators of worse prognosis in various cancers.		Observed MW.: 48 kDa
		Subcellular Location: Nucleus

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with Cyclin E1 monoclonal antibody, unconjugated (bsm-52048R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cyclin E1 Monoclonal Antibody, Unconjugated (bsm-52048R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Cyclin E1 Monoclonal Antibody, Unconjugated (bsm-52048R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

— SELECTED CITATIONS —

- **[IF=3.738]** Qiao Zhang. et al. G6PD upregulates Cyclin E1 and MMP9 to promote clear cell renal cell carcinoma progression. Int J Med Sci. 2022; 19(1): 47-64 IHC ;Human. 34975298
- **[IF=2.6]** Zhao Xiaodong. et al. The Regulation of ZAR1 on Apoptosis and Mitophagy in Ovarian Granular Cells and Primary Ovarian Insufficiency (POI) Mice. REPROD SCI. 2025 Apr;;1-13 WB ;Human,Mouse. 40216655