

Cyclin B1 (Phospho Ser126) (PT0070R) PT™ Rabbit mAb

CatalogNo: YM8038 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IHC,IF,IP,ELISA

MW

- 48kD (Calculated)
- 55kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:500-1:2000**WB 1:1000-1:5000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200,**

Basic Information

Clonality Monoclonal**Clone Number** PT0070R

Immunogen Information

Immunogen The specific immunogen used to produce this antibody is proprietary information.**Specificity** This antibody detects endogenous levels of Cyclin B1 only when phosphorylated at Ser126.This antibody does not recognize phosphorylated at other sites.

Target Information

Gene name CCNB1 CCNB
Protein Name G2/mitotic-specific cyclin-B1

Organism	Gene ID	UniProt ID
Human	891 ;	P14635 ;
Mouse	268697 ;	P24860 ;
Rat	25203 ;	P30277 ;

Cellular Localization Cytoplasm , Nuclear

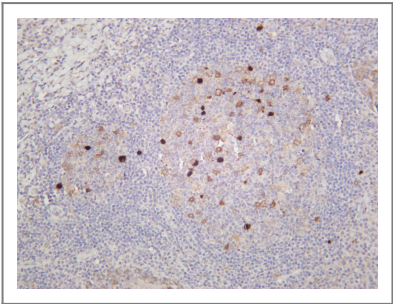
Tissue specificity Breast adenocarcinoma ,Lung ,Placenta ,

Function developmental stage:Accumulates steadily during G2 and is abruptly destroyed at mitosis. ,Function:Essential for the control of the cell cycle at the G2/M (mitosis) transition. ,PTM:Ubiquitinated by the SCF (NIPA) complex during interphase , leading to its destruction. Not ubiquitinated during G2/M phases. ,similarity:Belongs to the cyclin family. ,similarity:Belongs to the cyclin family. Cyclin AB subfamily. ,subunit:Interacts with the CDC2 protein kinase to form a serine/threonine kinase holoenzyme complex also known as maturation promoting factor (MPF) . The cyclin subunit imparts substrate specificity to the complex. Binds HEI10. Interacts with catalytically active RALBP1 and CDC2 during mitosis to form an endocytotic complex during interphase. ,

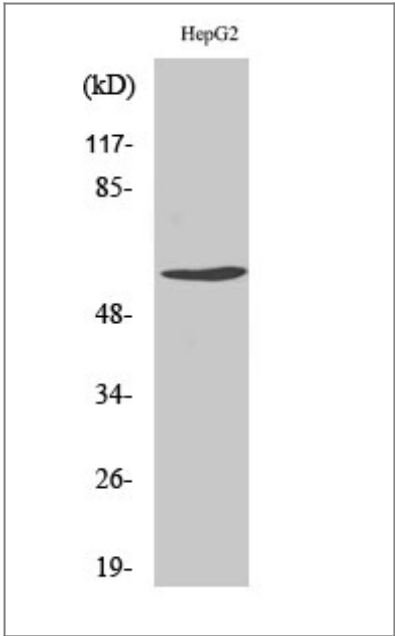
Validation Data



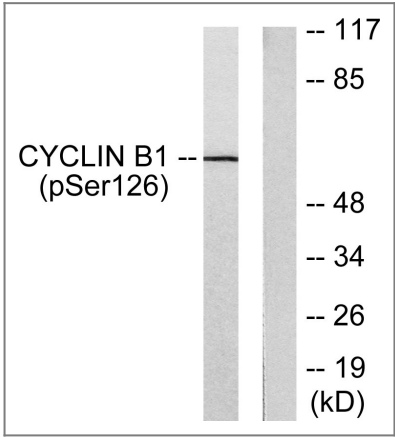
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cyclin B1 (phospho Ser126) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: Jurkat Predicted band size: 48kDa Observed band size: 55kDa



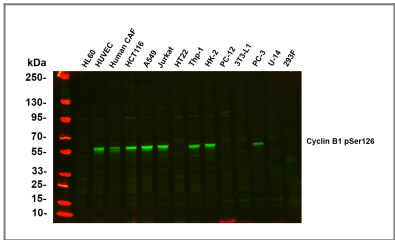
Human tonsil was stained with anti-Cyclin B1 (phospho Ser126) rabbit antibody



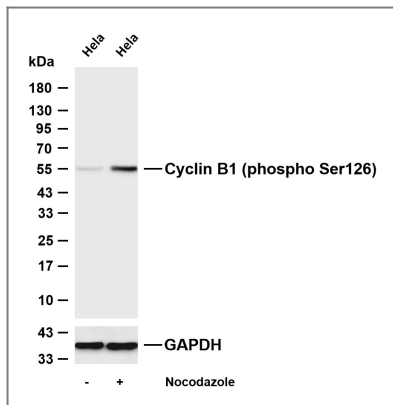
Western Blot analysis of various cells using Phospho-Cyclin B1 (S126) Antibody



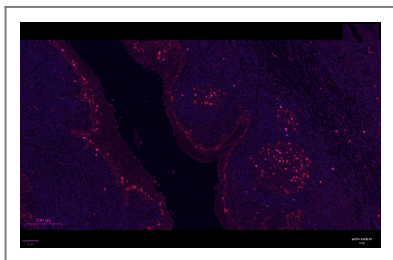
Western blot analysis of lysates from NIH/3T3 cells treated with EGF 200ng/ml 15', using Cyclin B1 (Phospho-Ser126) Antibody. The lane on the right is blocked with the phospho peptide.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C over night with a 1:2500 dilution . The Dylight 800-conjugated Goat anti-Rabbit antibody (Cat:RS23920) was used to detect the antibody. Lane1: HL60 - Human promyelocytic leukemia cell Lane2: HUVEC - Human umbilical vein endothelial cell Lane3: Human CAF - Human cancer-associated fibroblast Lane4: HCT116 - Human colorectal carcinoma Lane5: A549 - Human lung carcinoma Lane6: Jurkat - Human T lymphocyte leukemia Lane7: HT22 - Mouse hippocampal neuronal Lane8: Thp-1 - Human monocytic leukemia Lane9: HK-2 - Human proximal tubular epithelial Lane10: PC-12 - Rat adrenal pheochromocytoma Lane11: 3T3-L1 - Mouse embryonic fibroblast cells Lane12: PC-3 - Human prostate adenocarcinoma Lane13: U-14 - Mouse cervical carcinoma Lane14: 293F - HEK293 derivative, adapted for suspension culture Predicted band size: 48kDa Observed band size: 55kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cyclin B1 (phospho Ser126) (PT0070R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HeLa was treated with Nocodazole (100ng/ml) for 16 hours Predicted band size: 48kDa Observed band size: 55kDa



Fluorescence immunohistochemical analysis of Human tonsil

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Please scan the QR code to access additional product information:
Cyclin B1 (Phospho Ser126) (PT0070R) PT™ Rabbit mAb

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