

# Cyclin B1 (Phospho Ser116) Rabbit pAb

CatalogNo: YP1305

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human, Mouse, Rat

### Applications

- WB

### MW

- 60kD (Observed)

### Isotype

- IgG

## Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Recommended Dilution Ratios

WB 1:1000-2000

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** Synthesized phospho peptide around human Cyclin B1 (Ser116)

**Specificity** This antibody detects endogenous levels of Human Cyclin B1 (phospho-Ser116)

## Target Information

**Gene name** CCNB1 CCNB

**Protein Name** G2/mitotic-specific cyclin-B1 (Ser116)

Organism	Gene ID	UniProt ID
Human	<a href="#">891</a> ;	<a href="#">P14635</a> ;
Mouse	<a href="#">268697</a> ;	<a href="#">P24860</a> ;
Rat	<a href="#">25203</a> ;	<a href="#">P30277</a> ;

**Cellular Localization** Cytoplasm. Nucleus. Cytoplasm , cytoskeleton , microtubule organizing center , centrosome.

**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

## | Contact information

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