

## Cyclin E1 (Phospho Ser399) Rabbit pAb

CatalogNo: YP1829

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, WB

#### MW

- 49kD (Observed)

### Storage

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

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

### Recommended Dilution Ratios

**WB 1:500-2000**

**IHC 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human Cyclin E1 (Phospho Ser399)

**Specificity** This antibody detects endogenous levels of Cyclin E1 (Phospho Ser399) Rabbit pAb at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):PQsGK

## Target Information

**Gene name** CCNE1 CCNE

**Protein Name** G1/S-specific cyclin-E1

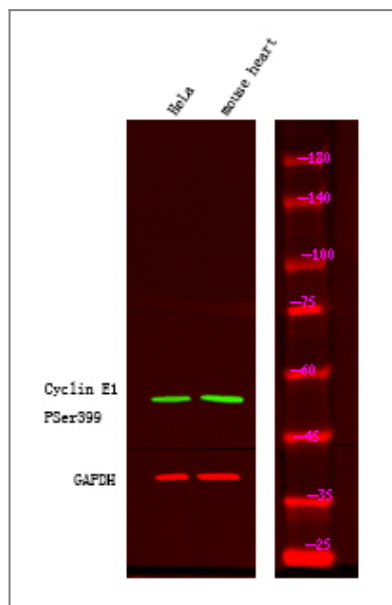
| Organism | Gene ID                | UniProt ID              |
|----------|------------------------|-------------------------|
| Human    | <a href="#">898;</a>   | <a href="#">P24864;</a> |
| Mouse    | <a href="#">12447;</a> | <a href="#">Q61457;</a> |
| Rat      |                        | <a href="#">P39949;</a> |

**Cellular Localization** Nucleus .

**Tissue specificity** Highly expressed in testis and placenta. Low levels in bronchial epithelial cells.

**Function** Function:Essential for the control of the cell cycle at the G1/S (start) transition. ,PTM:Phosphorylation of Thr-395 by GSK3 and of Ser-399 by CDK2 accelerates degradation via the ubiquitin proteasome pathway. Phosphorylated upon DNA damage , probably by ATM or ATR. ,similarity:Belongs to the cyclin family. Cyclin E subfamily. ,subunit:Interacts with a member of the CDK2/CDK protein kinases to form a serine/threonine kinase holoenzyme complex. The cyclin subunit imparts substrate specificity to the complex. Interacts with retinoblastoma binding protein 3 and retinoblastoma-like protein 1. Found in a complex with CDK2 , CABLES1 and CCNA1 (By similarity) . Part of a complex consisting of UHRF2 , CDK2 and CCNE1. ,tissue specificity:Highly expressed in testis and placenta. Low levels in bronchial epithelial cells. ,

## Validation Data



Western Blot analysis of HeLa mouse heart using primary antibody at 1:1000 dilution 4°C overnight. Secondary antibody (catalog#:RS23920) was diluted at 1:10000 25°C, 1.5hours

## | Contact information

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**Cyclin E1 (Phospho Ser399) Rabbit pAb**

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