

Cyclin E1 (Phospho Thr395) Rabbit pAb

CatalogNo: YP0081 **Orthogonal Validated** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 48kD (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 1:500-1:2000

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human Cyclin E1 around the phosphorylation site of Thr395. AA range:361-410

Specificity

Phospho-Cyclin E1 (T395) Polyclonal Antibody detects endogenous levels of Cyclin E1 protein only when phosphorylated at T395. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):LLtPP

| Target Information

Gene name CCNE1

Protein Name G1/S-specific cyclin-E1

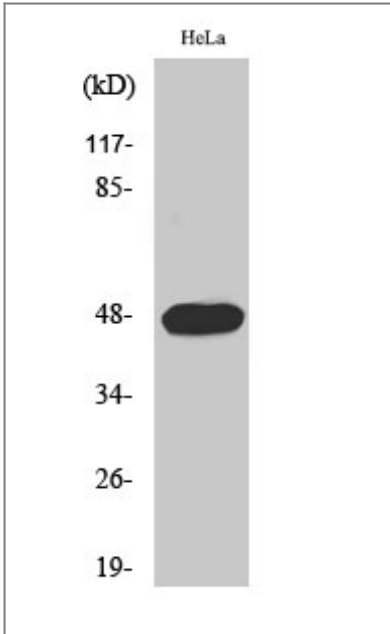
Organism	Gene ID	UniProt ID
Human	898;	P24864;
Mouse		Q61457;

Cellular Localization Nucleus .

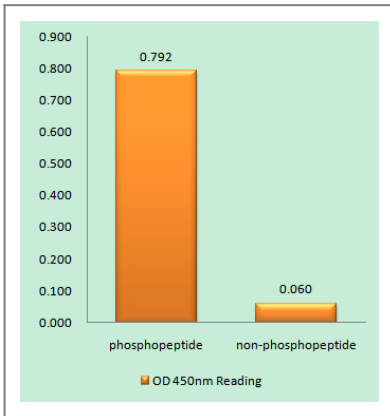
Tissue specificity Highly expressed in testis and placenta. Low levels in bronchial epithelial cells.

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. ,

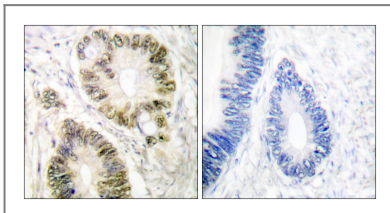
| Validation Data



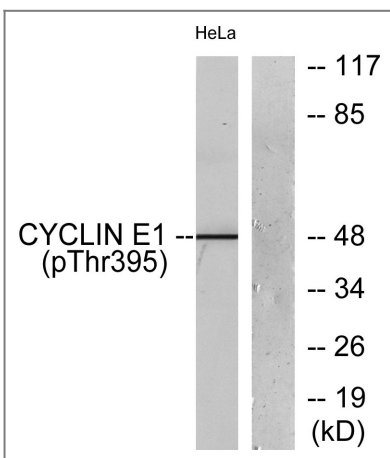
Western Blot analysis of HeLa cells using Phospho-Cyclin E1 (T395) Polyclonal Antibody diluted at 1:2000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Cyclin E1 (Phospho-Thr395) Antibody



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma, using Cyclin E1 (Phospho-Thr395) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HeLa cells treated with Paclitaxel 1uM 60', using Cyclin E1 (Phospho-Thr395) Antibody. The lane on the right is blocked with the phospho peptide.

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Please scan the QR code to access additional product information:
Cyclin E1 (Phospho Thr395) Rabbit pAb

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