Cyclin E1 (Phospho Thr77) Rabbit pAb

CatalogNo: YP1166

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- IHC,IF,ELISA

MW
- 47kD (Calculated)

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

IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:10000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human Cyclin E1 around the phosphorylation site of Thr77. AA range:43-92
Specificity	Phospho-Cyclin E1 (T77) Polyclonal Antibody detects endogenous levels of Cyclin E1 protein only when phosphorylated at T77.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):IPtPD

Target Information

Gene name CCNE1

Protein Name G1/S-specific cyclin-E1

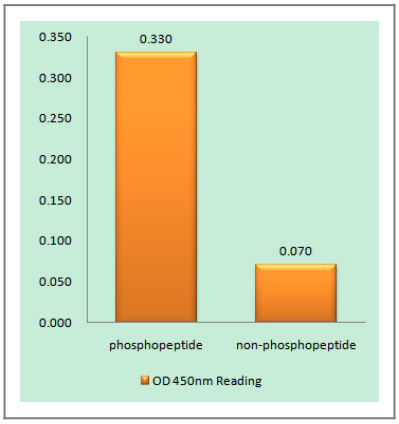
Organism	Gene ID	UniProt ID
Human	898;	P24864;
Mouse	12447;	Q61457;
Rat		P39949;

Cellular Localization Nucleus .

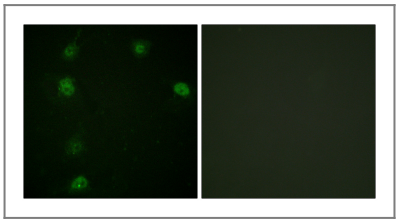
Tissue specificity Highly expressed in testis and placenta. Low levels in bronchial epithelial cells.

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. ,

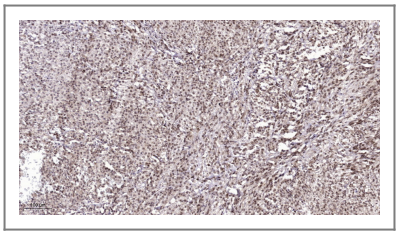
Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Cyclin E1 (Phospho-Thr77) Antibody



Immunofluorescence analysis of HeLa cells, using Cyclin E1 (Phospho-Thr77) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200 (4℃ overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
Cyclin E1 (Phospho Thr77) Rabbit pAb

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