

# Cyclin E1 Rabbit pAb

Catalog No.: A0112

6 Publications

## Basic Information

**Observed MW**

50kDa

**Calculated MW**

47kDa

**Category**

Primary antibody

**Applications**

WB,FC

**Cross-Reactivity**

Human

## Background

The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2, whose activity is required for cell cycle G1/S transition. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. This protein was found to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein mapped to the ATM locus), which participates in cell-cycle regulated histone gene expression and plays a critical role in promoting cell-cycle progression in the absence of pRB.

## Recommended Dilutions

WB 1:500 - 1:1000

FC 1:20 - 1:50

## Immunogen Information

**Gene ID**

898

**Swiss Prot**

P24864

**Immunogen**

A synthetic peptide of human Cyclin E1

**Synonyms**

CCNE; pCCNE1; Cyclin E1

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

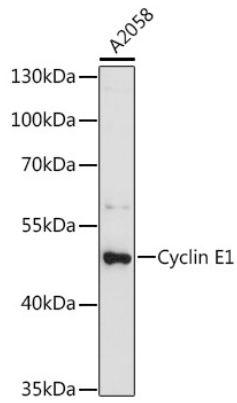
**Storage**

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH7.3.

## Validation Data

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Western blot analysis of lysates from A2058 cells, using Cyclin E1 Rabbit pAb (A0112).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.