

# Cyclin D1 Rabbit pAb

Catalog No.: A11022 **39 Publications**

## Basic Information

### Observed MW

34 kDa

### Calculated MW

34kDa

### Category

Primary antibody

### Applications

WB,IP,IF/ICC,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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 throughout 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 CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with tumor suppressor protein Rb and the expression of this gene is regulated positively by Rb. Mutations, amplification and overexpression of this gene, which alters cell cycle progression, are observed frequently in a variety of human cancers.

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**IF/ICC** 1:50 - 1:200

**IHC-P** 1:50 - 1:200

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

### Gene ID

595

### Swiss Prot

P24385

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

BCL1; PRAD1; U21B31; D11S287E; Cyclin D1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

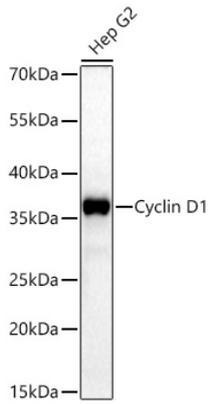
## Contact

 | 400-999-6126

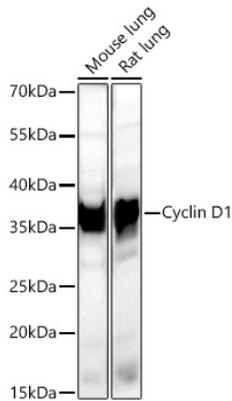
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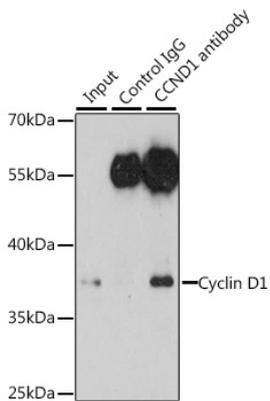
## Validation Data



Western blot analysis of lysates from Hep G2 cells using Cyclin D1 Rabbit pAb (A11022) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30 s.



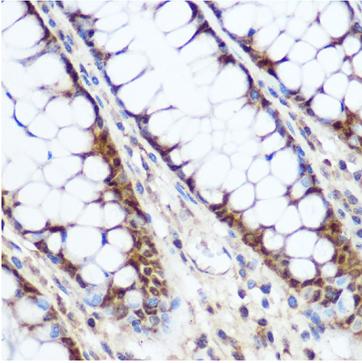
Western blot analysis of various lysates using Cyclin D1 Rabbit pAb (A11022) at 1:1000 dilution incubated overnight at 4°C.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60 s.



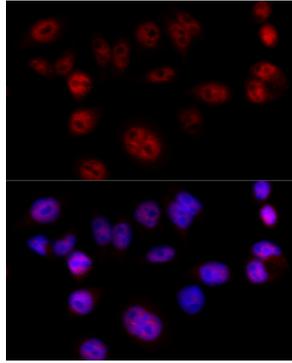
Immunoprecipitation analysis of 200 µg extracts of HepG2 cells, using 3 µg Cyclin D1 Rabbit pAb (A11022). Western blot was performed from the immunoprecipitate using Cyclin D1 Rabbit pAb(A11022) at a dilution of 1:1000.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Human colon using Cyclin D1 Rabbit pAb (A11022) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of HeLa cells using Cyclin D1 Rabbit pAb (A11022) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.