# ABclonal www.abclonal.com

# Phospho-Cyclin D1-T286 Rabbit pAb

Catalog No.: AP1061 2 Publications

## **Basic Information**

### **Observed MW**

37kDa

#### **Calculated MW**

34kDa

#### Category

Polyclonal Antibody

### **Applications**

WB,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 1:500 - 1:2000

IHC-P 1:50 - 1:200

Recommended starting **ELISA** 

concentration is 1 µg/mL. Please optimize the concentration based on your specific

assay requirements.

# **Immunogen Information**

**Gene ID Swiss Prot** P24385 595

### **Immunogen**

Synthetic peptide. This information is considered to be commercially sensitive.

### **Synonyms**

BCL1; PRAD1; U21B31; D11S287E; Phospho-Cyclin D1-T286

## **Contact**

€ www.abclonal.com

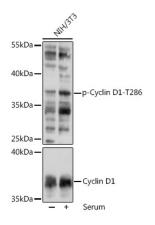
### **Product Information**

Source **Isotype Purification** Rabbit Affinity purification IgG

#### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## **Validation Data**



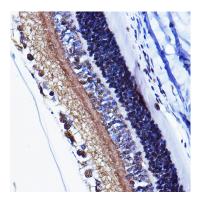
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-Cyclin D1-T286 pAb (AP1061) at 1:1000 dilution or Cyclin D1 antibody (A11310). NIH/3T3 cells were treated with 10% FBS at  $37^{\circ}$ C for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

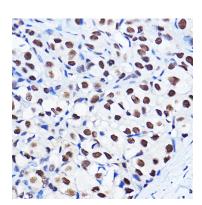
Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

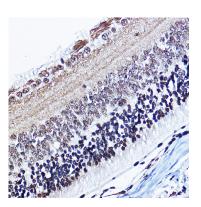
Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded Rat eye using Phospho-Cyclin D1-T286 Rabbit pAb (AP1061) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Phospho-Cyclin D1-T286 Rabbit pAb (AP1061) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse eye using Phospho-Cyclin D1-T286 Rabbit pAb (AP1061) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.