

For Research Use Only

# Cyclin D2 Polyclonal antibody

Catalog Number: 10934-1-AP

Featured Product

36 Publications



## Basic Information

<b>Catalog Number:</b> 10934-1-AP	<b>GenBank Accession Number:</b> BC010958	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 894	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:250-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> cyclin D2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 32 kDa	
<b>Immunogen Catalog Number:</b> AG1377	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : Caco-2 cells, MCF-7 cells, NIH/3T3 cells, U2OS cells, HEK-293 cells
<b>Cited Applications:</b> WB	<b>IHC :</b> human renal cell carcinoma tissue, human gliomas tissue
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> bovine, goat, human, mouse, pig	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CCND2 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. CCND2 forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. CCND2 has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. High level expression of CCND2 was observed in ovarian and testicular tumors.

## Notable Publications

Author	Pubmed ID	Journal	Application
Naoki Morito	28964572	Kidney Int	IHC
Han Xiao	31572009	Cancer Manag Res	WB
Jia-Jie Lin	34557530	Front Cardiovasc Med	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.

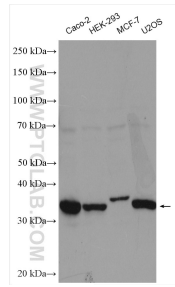
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

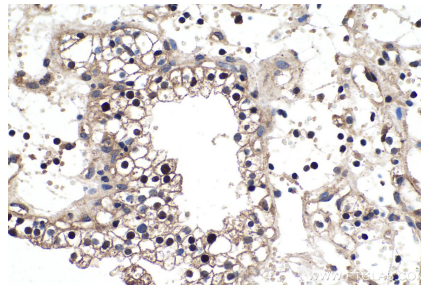
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

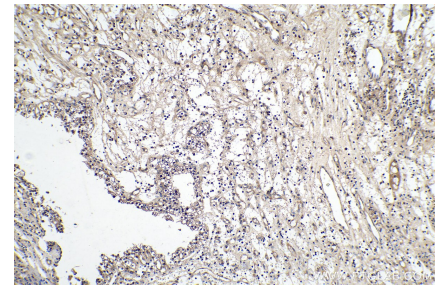
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10934-1-AP (Cyclin D2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 10934-1-AP (Cyclin D2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 10934-1-AP (Cyclin D2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).