

For Research Use Only

# CDCA2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86379-1-PBS



## Basic Information

Catalog Number:	86379-1-PBS	GenBank Accession Number:	BC036214	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	157313	CloneNo.:	250980D8
Isotype:	IgG	UNIPROT ID:	Q69YH5		
Immunogen Catalog Number:	AG11967	Full Name:	cell division cycle associated 2		
		Calculated MW:	113 kDa		
		Observed MW:	140 kDa		

## Applications

Tested Applications:  
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:  
human

## Background Information

Cell division cycle associated 2(CDCA2) is a nuclear protein that is a specific regulatory subunit for protein phosphatase 1 $\gamma$  (PP1 $\gamma$ ). CDCA2 is a candidate factor involved in preparing mitotic chromatin for the transition to interphase, and controls PP1 $\gamma$ -dependent essential DDR regulation. CDCA2 regulates the DNA damage response (DDR) in cell cycle. In addition, CDCA2 modulates phosphorylation of major mitotic histone H3 in a PP1-dependent manner.

## Storage

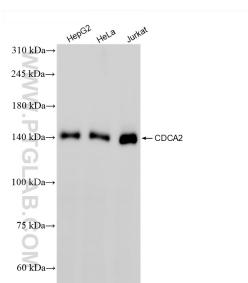
Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C  
Storage Buffer:  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 4006900926      E: Proteintech-CN@ptglab.com

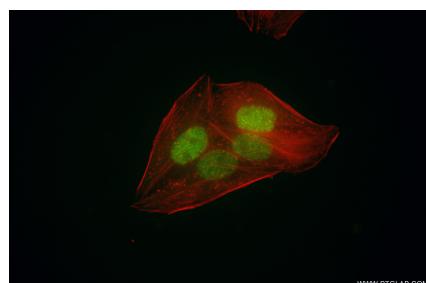
W: ptgcn.com

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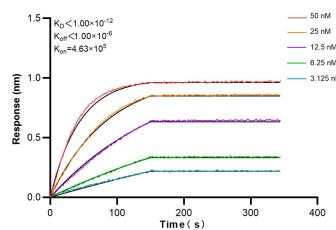
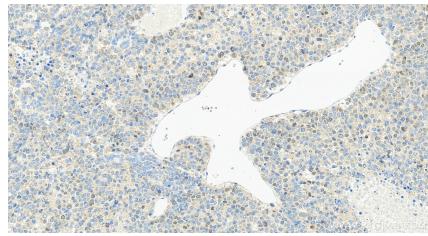
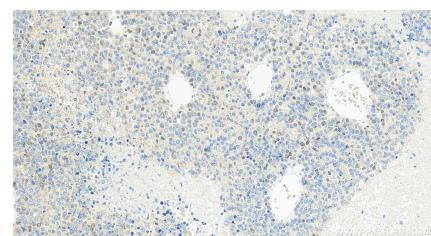
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86379-1-RR (CDCA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86379-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CDCA2 antibody (86379-1-RR, Clone: 250980D8) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 86379-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86379-1-RR against Human CDCA2 were performed. The affinity constant is below 1 pM.