

For Research Use Only

# CDCA8 Polyclonal antibody

Catalog Number: 12465-1-AP

Featured Product

8 Publications



## Basic Information

### Catalog Number:

12465-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3136

### GenBank Accession Number:

BC016944

### GeneID (NCBI):

55143

### UNIPROT ID:

Q53HL2

### Full Name:

cell division cycle associated 8

### Calculated MW:

280 aa, 31 kDa

### Observed MW:

31-38 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

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

### Positive Controls:

WB: A549 cells, mouse kidney tissue

IHC: human lung cancer tissue,

IF/ICC: HeLa cells,

## Background Information

CDCA8, also named as Borealin, Dasra-B and PESCRG3, is a component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. This protein can be migrated to 35-40 kDa with phosphor modification or ~50 kDa with SUMO modification.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiao-Han Cui	34741389	J Cell Mol Med	WB, IHC
Jeremy G Carlton	22422861	Science	IF
Haojie Li	35930080	Cell Mol Life Sci	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

\*\*\* 20ul sizes contain 0.1% BSA

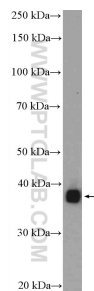
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

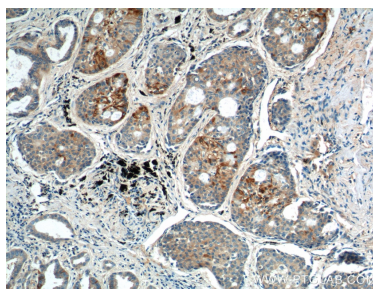
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

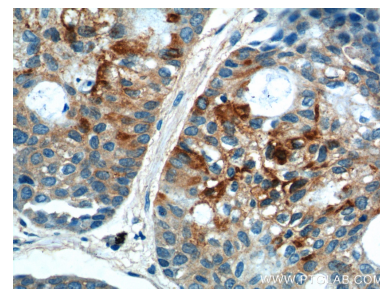
## Selected Validation Data



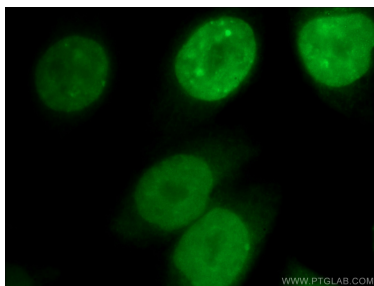
A549 cells were subjected to SDS PAGE followed by western blot with 12465-1-AP (CDCA8 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12465-1-AP (CDCA8 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12465-1-AP (CDCA8 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 12465-1-AP (CDCA8 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated Goat Anti-Rabbit IgG(H+L).