

For Research Use Only

CDCA7 Polyclonal antibody

Catalog Number: 15249-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

15249-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4297

GenBank Accession Number:

BC027966

GeneID (NCBI):

83879

UNIPROT ID:

Q9BWT1

Full Name:

cell division cycle associated 7

Calculated MW:

43 kDa

Observed MW:

40-43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:5000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:250-1:1000

IF/ICC: 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, 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, HeLa cells, HEK-293 cells, Raji cells

IP : HEK-293 cells,

IHC : human colon cancer tissue,

IF/ICC : HepG2 cells,

Background Information

CDCA7, also named as JPO1, participates in MYC-mediated cell transformation and apoptosis. It plays a role as transcriptional regulator.

Notable Publications

Author	Pubmed ID	Journal	Application
Li Wang	33236014	bioRxiv	WB
Yu-Ting Huang	28583079	BMC Neurosci	IF
Yangyang Shang	35660018	J Biol Chem	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

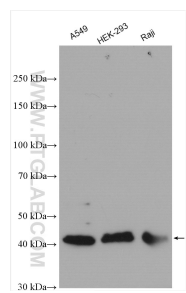
For technical support and original validation data for this product please contact:

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

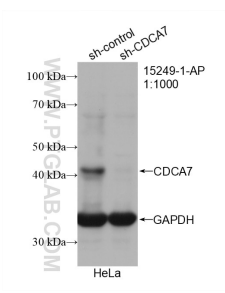
E: proteintech@ptglab.com
W: ptglab.com

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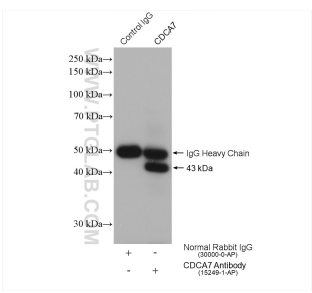
Selected Validation Data



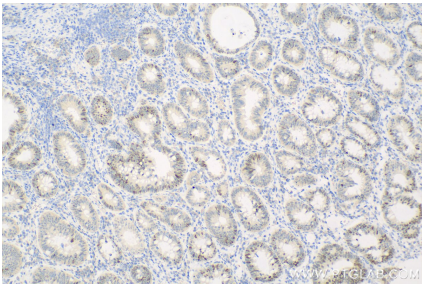
A549 cells were subjected to SDS PAGE followed by western blot with 15249-1-AP (CDCA7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



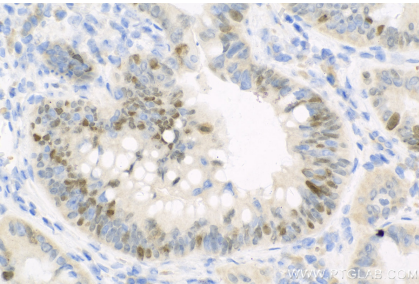
WB result of CDCA7 antibody (15249-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CDCA7 transfected HeLa cells.



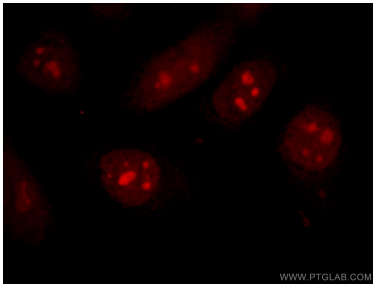
IP result of anti-CDCA7 (IP:15249-1-AP, 4ug; Detection:15249-1-AP 1:2000) with HEK-293 cells lysate 1480 ug.



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 15249-1-AP (CDCA7 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 15249-1-AP (CDCA7 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 15249-1-AP (CDCA7 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.