

CDCA2 Polyclonal antibody

Catalog Number: 17701-1-AP

Featured Product

7 Publications

Basic Information

Catalog Number:

17701-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11967

GenBank Accession Number:

BC036214

GeneID (NCBI):

157313

UNIPROT ID:

Q69YH5

Full Name:

cell division cycle associated 2

Calculated MW:

863 aa, 95 kDa

Observed MW:

125 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IP, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : Jurkat cells, HepG2 cells, MCF-7 cells

IP : Jurkat cells,

IF/ICC : HepG2 cells,

Background Information

Cell division cycle associated 2 (CDCA2) is a nuclear protein that is a specific regulatory subunit for protein phosphatase 1γ (PP1γ). CDCA2 is a candidate factor involved in preparing mitotic chromatin for the transition to interphase, and controls PP1γ-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. We got 125 kDa in western blotting maybe due to its phosphorylation.

Notable Publications

Author	Pubmed ID	Journal	Application
Honghai Xia	27725724	Sci Rep	IF
Xiaoliang Wang	34131285	Oncogene	WB
Shouping Wang	34103686	Oncogene	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

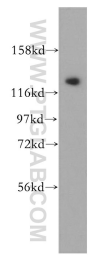
For technical support and original validation data for this product please contact:

T: 4006900926

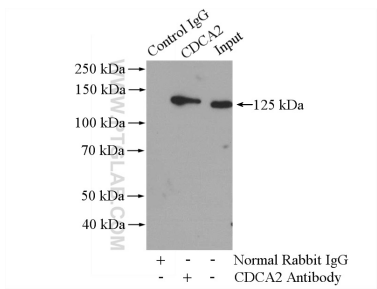
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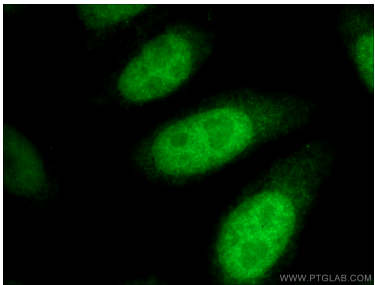
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 17701-1-AP (CDCA2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-CDCA2 (IP:17701-1-AP, 4ug; Detection:17701-1-AP 1:800) with Jurkat cells lysate 2800ug.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 17701-1-AP (CDCA2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).