

For Research Use Only

# CDCA5 Polyclonal antibody, PBS Only

Catalog Number: 29316-1-PBS



## Basic Information

Catalog Number:

29316-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30966

GenBank Accession Number:

BC011000

GeneID (NCBI):

113130

UNIPROT ID:

Q96FF9

Full Name:

cell division cycle associated 5

Calculated MW:

27 kDa

Observed MW:

27-35 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human

## Background Information

Human cell division cycle associated 5 (CDCA5), also known as Sororin, is required for stable binding of cohesin to chromatid in the S and G2/M phases and degraded through anaphase-promoting complex-dependent ubiquitination in the G0/G1 phase (PMID: 30808873). Suppression of CDCA5 expression with siRNAs inhibited the growth of lung cancer cells. CDCA5 positivity is an independent prognostic factor for lung cancer patients (PMID: 20551060). The predicted molecular size of CDCA is 27 kd, with an electrophoretic mobility of ~35 kd on SDS-PAGE, possibly due to its isoelectric point (pI) of approximately 10 (PMID: 22580470).

## 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

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

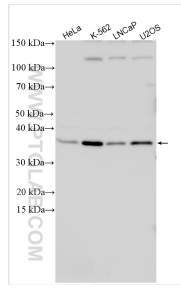
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

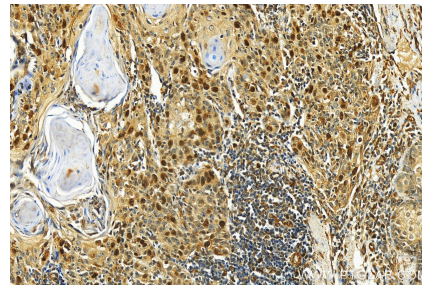
W: [ptgcn.com](http://ptgcn.com)

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

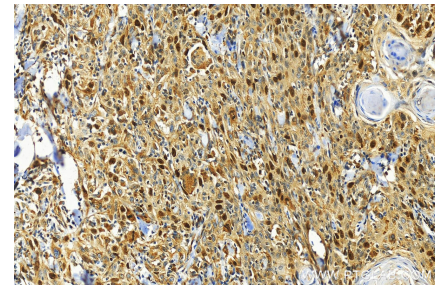
## Selected Validation Data



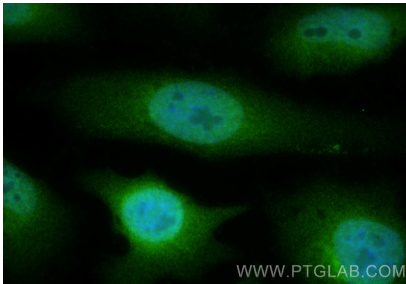
Various lysates were subjected to SDS PAGE followed by western blot with 29316-1-AP (CDCA5 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29316-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 29316-1-AP (CDCA5 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29316-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 29316-1-AP (CDCA5 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29316-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDCA5 antibody (29316-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 29316-1-PBS in a different storage buffer formulation.