

For Research Use Only

# CDCA5 Polyclonal antibody, PBS Only

Catalog Number: 29316-1-PBS



## Basic Information

**Catalog Number:**

29316-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS Only

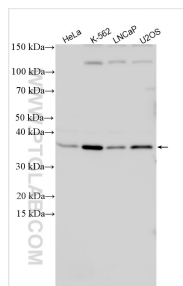
For technical support and original validation data for this product please contact:

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

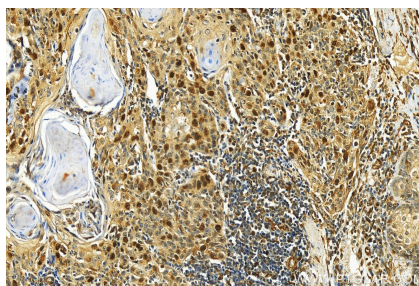
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

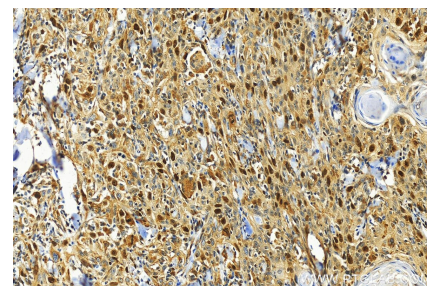
## Selected Validation Data



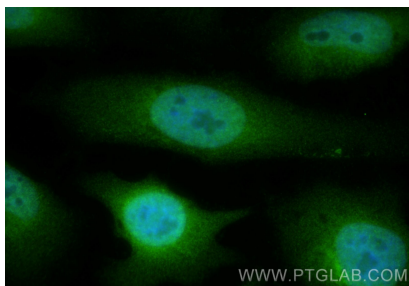
Various lysates were subjected to SDS PAGE followed by western blot with 29316-1-AP (CDCA5 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29316-1-PBS in a different storage buffer formulation.



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.