

For Research Use Only

CDCA5 Polyclonal antibody

Catalog Number: 29316-1-AP



Basic Information

Catalog Number: 29316-1-AP	GenBank Accession Number: BC011000	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 113130	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: Q96FF9	IHC 1:600-1:2400
Isotype: IgG	Full Name: cell division cycle associated 5	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG30966	Calculated MW: 27 kDa	
	Observed MW: 27~35 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human

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 : HeLa cells, K-562 cells, LNCaP cells, U2OS cells

IHC : human skin cancer tissue,

IF/ICC : HeLa cells,

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

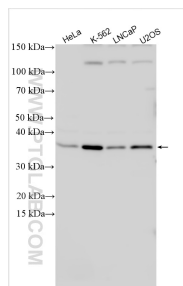
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

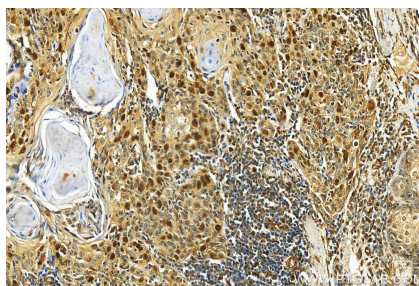
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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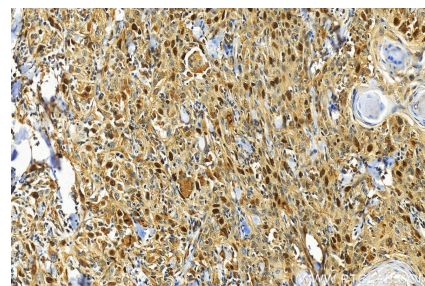
Selected Validation Data



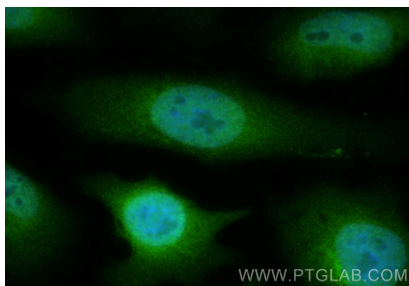
Various lysates were subjected to SDS PAGE followed by western blot with 29316-1-AP (CDCA5 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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).



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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).