

For Research Use Only

CDCA5 Polyclonal antibody

Catalog Number: 29316-1-AP



Basic Information

Catalog Number:

29316-1-AP

Size:

600 µg/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

Recommended Dilutions:

WB 1:2000-1:12000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

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

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

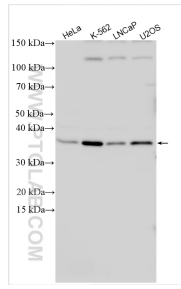
T: 4006900926

E: Proteintech-CN@ptglab.com

W: 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.