

For Research Use Only

CENPH Polyclonal antibody

Catalog Number: 12841-1-AP **2 Publications**



Basic Information

Catalog Number: 12841-1-AP	GenBank Accession Number: BC015355	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 453 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64946	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q9H3R5	
Isotype: IgG	Full Name: centromere protein H	
Immunogen Catalog Number: AG3836	Calculated MW: 247 aa, 28 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls: WB : A549 cells, HeLa cells, NIH/3T3 cells IP : HeLa cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Background Information

Centromere protein H (CENPH) is a component of the active centromere complex that associates with centromeric DNA and binds spindle microtubules to the chromosomes, which is required for chromosome congression and efficiently align the chromosomes on a metaphase plate. CENPH plays a key role in assembly of kinetochore proteins, mitotic progression and chromosome segregation that may cause misaligned chromosomes and multipolar spindles. Besides, CENPH may be associated with the modulation of the cell cycle through an interaction with CENPC. It has been shown that the expression of CENPH is related to clinical application including colorectal cancer, gastric cancer, renal cell carcinoma, hepatocellular carcinoma and other poor prognosis in various solid tumors. (PMID: 26378239, 27993978, 28819418)

Notable Publications

Author	Pubmed ID	Journal	Application
Qiao Li	37293159	Am J Cancer Res	WB
Hiba K Omairi	37186014	Neuro Oncol	WB

Storage

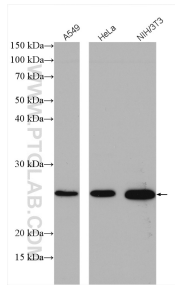
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

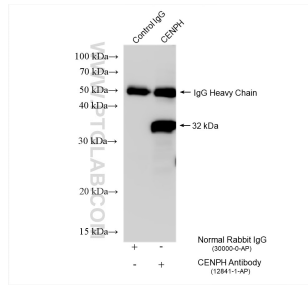
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 12841-1-AP (CENPH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-CENPH (IP:12841-1-AP, 4ug; Detection:12841-1-AP 1:1000) with HeLa cells lysate 1600 ug.