

For Research Use Only

CENPA Recombinant monoclonal antibody

Catalog Number: 88445-1-RR



Basic Information

Catalog Number: 88445-1-RR	GenBank Accession Number: BC002703	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1058	CloneNo.: 260865G5
Source: Rabbit	UNIPROT ID: P49450	Recommended Dilutions: WB: 1:1000-1:4000 IF/ICC: 1:50-1:500
Isotype: IgG	Full Name: centromere protein A	
Immunogen Catalog Number: AG25025	Calculated MW: 16 kDa	
	Observed MW: 16-20 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HCT 116 cells, HeLa cells, MCF-7 cells, A375 cells, Jurkat cells IF/ICC : PC-3 cells,

Background Information

Centromere protein-A (CENP-A) is a Histone H3-like protein that contains a C-terminal H3-like domain, required for centromere localization of CENP-A, and an antigenic N-terminal domain. CENP-A, originally isolated from HeLa cells, is essential for kinetochore targeting of CENP-C. In the presence of DNA, CENP-A forms an octameric complex with histones H4, H2A and H2B. CENP-A specifically localizes to active centromeres and is a component of specialized centromeric nucleosomes, on which kinetochores are assembled. CENP-A is essential for nucleosomal packaging of centromeric DNA at interphase and functions as a centromere formation marker on the chromosome.

Storage

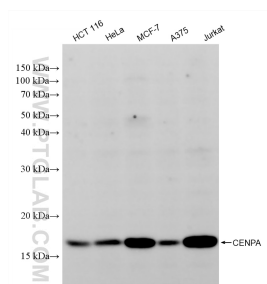
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

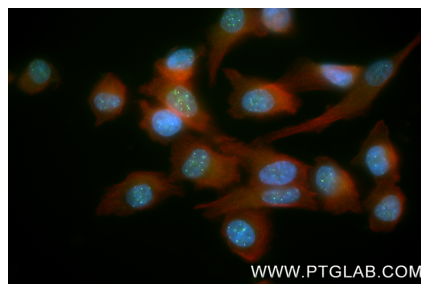
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 88445-1-RR (CENPA antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using CENPA antibody (88445-1-RR, Clone: 260865G5) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), Alpha Tubulin antibody (66031-1-Ig, Clone: 1E4C11, red).