

For Research Use Only

CENPA Recombinant monoclonal antibody

Catalog Number: 88445-1-RR



Basic Information

Catalog Number:

88445-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25025

GenBank Accession Number:

BC002703

GeneID (NCBI):

1058

UNIPROT ID:

P49450

Full Name:

centromere protein A

Calculated MW:

16 kDa

Observed MW:

16-20 kDa

Purification Method:

Protein A purification

CloneNo.:

260865G5

Recommended Dilutions:

WB: 1:1000-1:4000

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

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

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

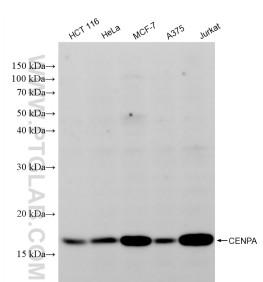
T: 4006900926

E: Proteintech-CN@ptglab.com

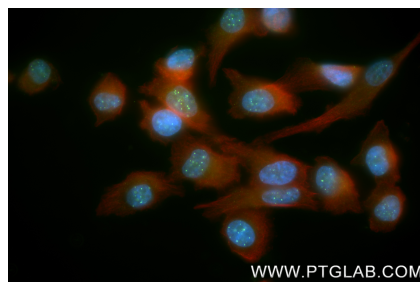
W: ptgcn.com

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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).