

For Research Use Only

CoraLite® Plus 488-conjugated CENPF Polyclonal antibody

Catalog Number: CL488-28568

Featured Product



Basic Information

Catalog Number:

CL488-28568

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29665

GenBank Accession Number:

NM_016343

GeneID (NCBI):

1063

UNIPROT ID:

P49454

Full Name:

centromere protein F, 350/400kDa (mitosin)

Calculated MW:

368 kDa

Observed MW:

350 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : A549 cells, HeLa cells

Background Information

CENPF, also named as mitosin and centromere protein F (PMID: 22912832), belongs to centromere protein F family. During the cell cycle, CENPF localizes in multiple cellular structures including the nuclear envelope in late G2/early prophase and kinetochores throughout mitosis (PMID: 30198378). CENPF is required for kinetochore function and chromosome segregation in mitosis and required for kinetochore localization of dynein, LIS1, NDE1 and NDEL1 (PMID: 17600710)(PMID: 7542657). It regulates recycling of the plasma membrane by acting as a link between recycling vesicles and the microtubule network through its association with STX4 and SNAP25. Acts as a potential inhibitor of pocket protein-mediated cellular processes during development by regulating the activity of RB proteins during cell division and proliferation (PMID: 26125848). The calculated molecular weight of CENPF is ~358 kDa and CENPF can be detected as ~367 kDa (PMID: 7542657).

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

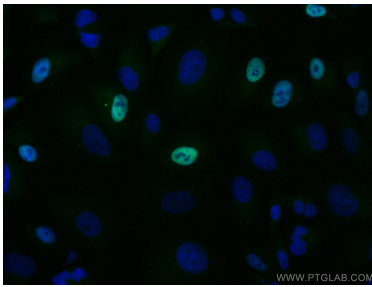
T: 4006900926

E: Proteintech-CN@ptglab.com

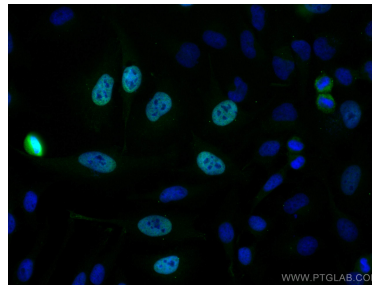
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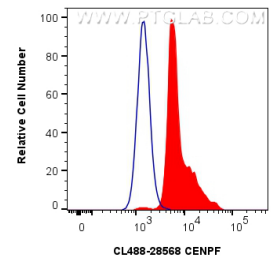
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 CENPF antibody (CL488-28568) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 CENPF antibody (CL488-28568) at dilution of 1:200.



1x10⁶ A549 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated CENPF Polyclonal antibody (CL488-28568)(red), or 0.4 ug CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).