

For Research Use Only

Pericentrin Monoclonal antibody

Catalog Number:60919-2-Ig



Basic Information

Catalog Number:

60919-2-Ig

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG27248

GenBank Accession Number:

AK093923

GeneID (NCBI):

5116

UNIPROT ID:

O95613

Full Name:

pericentrin

Calculated MW:

378 kDa

Purification Method:

Caprylic acid/ammonium sulfate precipitation

CloneNo.:

3A8E8

Recommended Dilutions:

IF/ICC: 1:500-1:2000

FC (Intra): 0.2 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

Background Information

Pericentrin (PCNT) is a large, highly conserved centrosomal protein essential for organizing the pericentriolar material (PCM)-the matrix surrounding the centrioles that nucleates and anchors microtubules. It acts as a scaffold that recruits and positions key regulatory complexes, including γ -tubulin ring complexes (γ -TuRCs), protein kinase A (PKA) and dynein, thereby orchestrating microtubule nucleation, spindle assembly and centrosome maturation throughout the cell cycle

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:

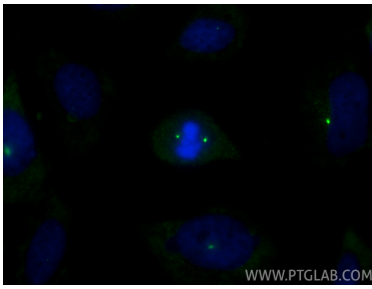
T: 4006900926

E: Proteintech-CN@ptglab.com

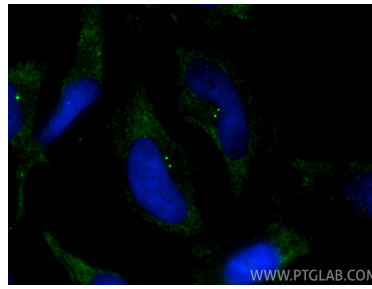
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

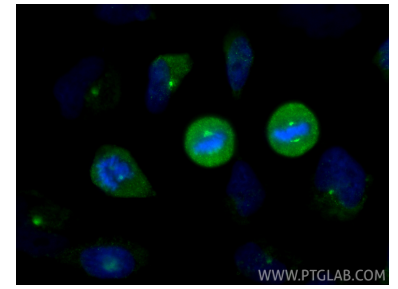
Selected Validation Data



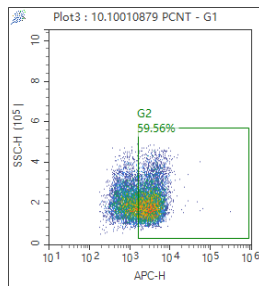
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Pericentrin antibody (60919-2-Ig, Clone: 3A8E8) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



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Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Pericentrin antibody (60919-2-Ig, Clone: 3A8E8) at dilution of 1:1000 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



1x10⁶ HeLa cells were intracellularly stained with 0.2 μ g Pericentrin Monoclonal antibody (60919-2-Ig, Clone:3A8E8) and Multi-rAb CoraLite® Plus 647-Goat Anti-Mouse Recombinant Secondary Antibody (H+L)(RGAM005)(N/A), or 0.2 μ g Mouse IgM Isotype Control (65243-1-Ig, Clone: MOPC-104E) (N/A). Cells were fixed with 4% PFA.