

For Research Use Only

CoraLite® Plus 488-conjugated PCM1 Polyclonal antibody



Catalog Number: CL488-19856

Featured Product

Basic Information

Catalog Number: CL488-19856	GenBank Accession Number: BC000453	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5108	Recommended Dilutions: IF 1:200-1:800
Source: Rabbit	Full Name: pericentriolar material 1	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Calculated MW: 2024 aa, 228 kDa	
Immunogen Catalog Number: AG13929	Observed MW: 260-280 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse	

Background Information

Pericentriolar material 1 (PCM1) is a component of centriolar satellites, which are electron dense granules scattered around centrosomes (PMID: 10579718). PCM1 is required for centrosome assembly and function. It acts as a scaffold to target several proteins to the centrosome in a dynein motor-dependent manner and regulate microtubular dynamics (PMID:18762586; 12403812). It is also involved in the biogenesis of cilia (PMID: 18772192). Chromosomal aberrations involving PCM1 gene are associated with papillary thyroid carcinomas and a variety of hematological malignancies, including atypical chronic myeloid leukemia and T-cell lymphoma. (PMID: 10980597; 16091753; 15805263; 16424865).

Storage

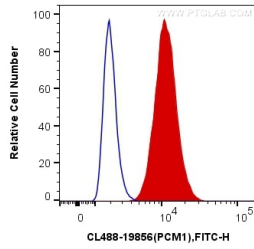
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

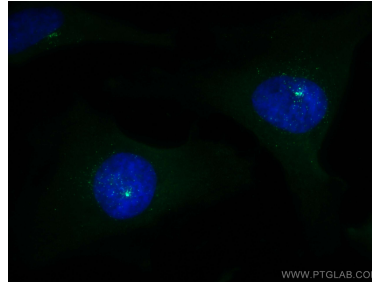
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human PCM1 (CL488-19856) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 PCM1 antibody (CL488-19856) at dilution of 1:400.