

For Research Use Only

CoraLite® Plus 488-conjugated PML Polyclonal antibody



Catalog Number: CL488-21041

Featured Product

Basic Information

Catalog Number: CL488-21041	GenBank Accession Number: BC020994	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5371	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: promyelocytic leukemia	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 882 aa, 98 kDa	
Immunogen Catalog Number: AG15377	Observed MW: 120 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse	

Background Information

PML, also named as MYL, RNF71 and TRIM19, is a member of RBCC/TRIM family of proteins that possess a RING finger domain, B-box, and coiled-coil domain. It functions as tumor suppressor. PML is required for normal, caspase-dependent apoptosis in response to DNA damage, FAS, TNF, or interferons. It plays a role in transcription regulation, DNA damage response, DNA repair and chromatin organization. PML plays a role in processes regulated by retinoic acid, regulation of cell division, terminal differentiation of myeloid precursor cells and differentiation of neural progenitor cells. It regulates PTEN compartmentalization through the inhibition of USP7-mediated deubiquitylation. A large number of alternative spliced transcripts are synthesized from the PML gene, resulting in a variety of PML proteins ranging in molecular weight from 48-97 kDa (PMID:11704850). And it can be detected as 70-130 kDa or larger due to the modification (especially SUMO) (PMID: 16778193, 22438555).

Storage

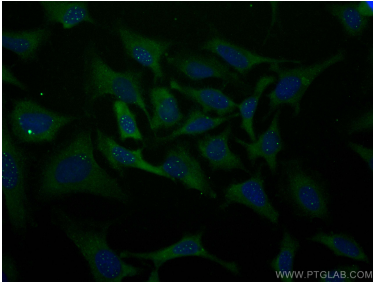
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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 CoraLite® Plus 488 PML antibody (CL488-21041) at dilution of 1:200.