

For Research Use Only

CoraLite® Plus 488-conjugated PRDX3 Recombinant antibody



Catalog Number: **CL488-81833**

Basic Information

Catalog Number: CL488-81833	GenBank Accession Number: BC007062	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10935	CloneNo.: 1L11
Source: Rabbit	UNIPROT ID: P30048	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: peroxiredoxin 3	
Immunogen Catalog Number: AG1062	Calculated MW: 27 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, Mouse, Rat

Background Information

PRDX3(Peroxiredoxin 3), also named as AOP1, HBC189 and MER5, belongs to the ahpC/TSA family. It is involved in redox regulation of the cell and protects radical-sensitive enzymes from oxidative damage by a radical-generating system. PRDX3 is required for MYC-mediated proliferation, transformation, and apoptosis after glucose withdrawal and essential for maintaining mitochondrial mass and membrane potential in transformed rat and human cells (PMID:12011429). PRDX3 acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.

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.

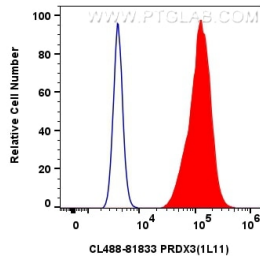
Aliquoting is unnecessary for -20°C storage

***** 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



(blue) 1×10^6 MCF-7 cells were intracellularly stained with 0.4 μg CoraLite® Plus 488 Anti-Human PRDX3 (CL488-81833, Clone:1L11)(red), or 0.4 μg CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).