

For Research Use Only

CoraLite® Plus 488-conjugated TRAP1 Polyclonal antibody



Catalog Number: CL488-10325

Basic Information

Catalog Number: CL488-10325	GenBank Accession Number: BC000406	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 10131	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q12931	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: TNF receptor-associated protein 1	
Immunogen Catalog Number: AG0400	Calculated MW: 80 kDa	
	Observed MW: 66-70 kDa, 60 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

Background Information

TNF receptor-associated protein 1 (TRAP1, synonym: HSP75) is a member of the HSP90 family of molecular chaperones, and is expressed ubiquitously and located to mitochondria. A unique LxCxE motif in HSP75, but not in other HSP90 family members, appears to be important for binding to the simian virus 40 T-antigen-binding domain of hypophosphorylated Rb. Data also suggests that suppression of the expression of TRAP1 in mitochondria plays an important role in the induction of apoptosis caused via formation of reactive oxygen species (ROS).

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

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

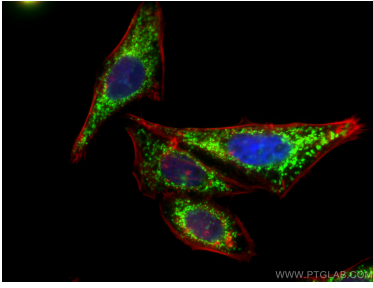
T: 4006900926

E: Proteintech-CN@ptglab.com

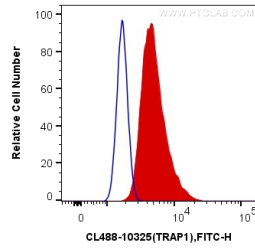
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 TRAP1 antibody (CL488-10325) at dilution of 1:200, CL594-Phalloidin (red).



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human TRAP1 (CL488-10325) (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).