

For Research Use Only

# CoraLite® Plus 488-conjugated TRAP1 Polyclonal antibody



Catalog Number: **CL488-10325**

## Basic Information

<b>Catalog Number:</b> CL488-10325	<b>GenBank Accession Number:</b> BC000406	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10131	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> TNF receptor-associated protein 1	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 80 kDa	
<b>Immunogen Catalog Number:</b> AG0400	<b>Observed MW:</b> 66-70 kDa, 60 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HepG2 cells,
<b>Species Specificity:</b> 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

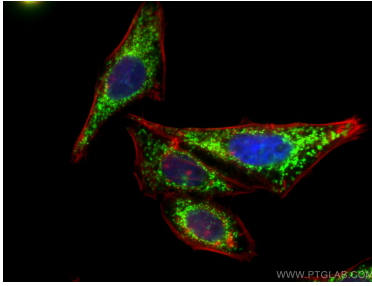
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

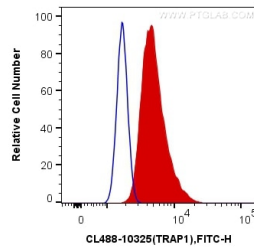
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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



1X10<sup>6</sup> 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).