

For Research Use Only

# CoraLite® Plus 488-conjugated TRAP1 Polyclonal antibody



Catalog Number: CL488-10325

## Basic Information

Catalog Number:

CL488-10325

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0400

GenBank Accession Number:

BC000406

GeneID (NCBI):

10131

UNIPROT ID:

Q12931

Full Name:

TNF receptor-associated protein 1

Calculated MW:

80 kDa

Observed MW:

66-70 kDa, 60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

## 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:

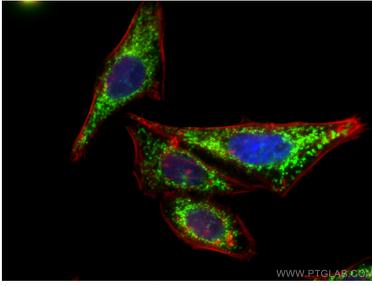
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

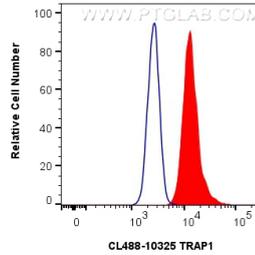
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## Selected Validation Data



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



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human TRAP1 (CL488-10325) (red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).