CoraLite® Plus 488-conjugated TOM70 Polyclonal antibody

Proteintech®
Antibodies | ELISA kits | Proteins
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Catalog Number:CL488-14528   Featured Product

Basic Information

Catalog Number:
CL488-14528

Concentration:
1000 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG6027

GenBank Accession Number:
BC052994

GeneID (NCBI):
9868

UNIPROT ID:
O94826

Full Name:
translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)

Calculated MW:
67 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.40 ug per 10^6 cells in a 100 μl suspension

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,

FC (Intra) : HepG2 cells,

Background Information

TOMM70A (or TOM70) is a mitochondrial import receptor responsible for the import of cytosol synthesized precursor proteins into the mitochondria. Tom70 is a member of the tetratricopeptide repeat (TPR) co-chaperone family and contains a conserved TPR clamp domain for interaction with Hsc70 and Hsp90. Recently overexpression of TOM70 has been linked to chemoresistance to drugs in breast cancer cell lines. It is also believed that Tom70 is significantly associated with breast cancer relapse and may predict the recurrence of ovarian cancer.

Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3
Aliquoting is unnecessary for -20°C storage

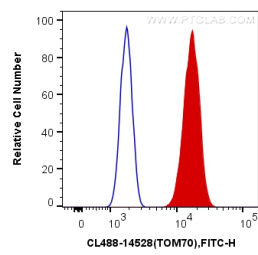For technical support and original validation data for this product please contact:
T: 4006900926   E: Proteintech-CN@ptglab.com   W: ptgcn.com

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 (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 TOM70 antibody (CL488-14528) at dilution of 1:200, CL594-Phalloidin (red).

1X10^6 HepG2 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human TOM70 (CL488-14528) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).