

For Research Use Only

CoraLite®594-conjugated TOM70 Polyclonal antibody



Catalog Number:CL594-14528

Featured Product

Basic Information

Catalog Number: CL594-14528	GenBank Accession Number: BC052994	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9868	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)	Excitation/Emission maxima wavelengths: 593 nm / 614 nm
Isotype: IgG	Calculated MW: 67 kDa	
Immunogen Catalog Number: AG6027	Observed MW: 67 kDa	

Applications

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

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

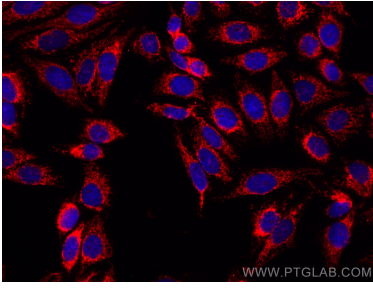
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

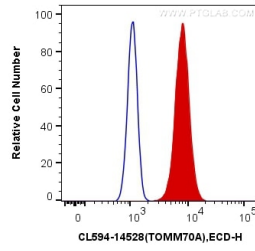
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 TOM70 antibody (CL594-14528) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human TOM70 (CL594-14528) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).