

For Research Use Only

# CoraLite® Plus 647-conjugated ERp57/ERp60 Polyclonal antibody

Catalog Number: CL647-15967

Featured Product



## Basic Information

Catalog Number:

CL647-15967

Concentration:

1 mg/mL

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8741

GenBank Accession Number:

BC014433

GeneID (NCBI):

2923

UNIPROT ID:

P30101

Full Name:

protein disulfide isomerase family A, member 3

Calculated MW:

505 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

FC (Intra): 0.20 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

FC (Intra) : HepG2 cells,

## Background Information

PDIA3, also named as P58, ER60, ERp57, ERp60, ERp61, GRP57, GRP58 and PI-PLC, is a member of the PDI family, participates in the oxidation, reduction, and isomerization of disulfide bonds for correct folding of secretory proteins before modification and transport in the endoplasmic reticulum. It is associated with apoptosis or inhibition of cancer cell growth. PDIA3 was once thought to be a phospholipase; however, it has been demonstrated that this protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and PDIA3 mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates.

## Storage

Storage:

Store at -20°C. 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:

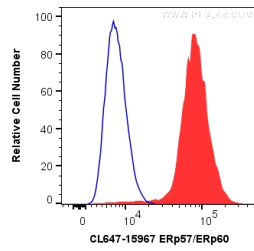
T: 4006900926

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

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human ERp57/ERp60 (CL647-15967) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).