

For Research Use Only

# CoraLite®594-conjugated ERp72 Monoclonal antibody

Catalog Number: CL594-66365

1 Publications



## Basic Information

Catalog Number:

CL594-66365

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6873

GenBank Accession Number:

BC000425

GeneID (NCBI):

9601

UNIPROT ID:

P13667

Full Name:

protein disulfide isomerase family A, member 4

Calculated MW:

73 kDa

Observed MW:

72 kDa

Purification Method:

Protein G purification

CloneNo.:

1D5F3

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells, HeLa cells

## Background Information

PDIA4 (Protein disulfide-isomerase A4) is also named ERP70, ERP72, and belongs to the protein disulfide isomerase family. It catalyzes the rearrangement of -S-S- bonds in proteins. ERp72 is a soluble protein localized in the ER lumen and contains the COOH-terminal retention signal, KEEL. There are 6 cysteine residues in the amino acid sequences of mouse and human ERp72. All of the cysteine residues occur in the internal thioredoxin motif, CGHC (PMID:15475357). The full-length protein has a signal peptide with 20 amino acids.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chunlu Li	38316066	Redox Biol	

## 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

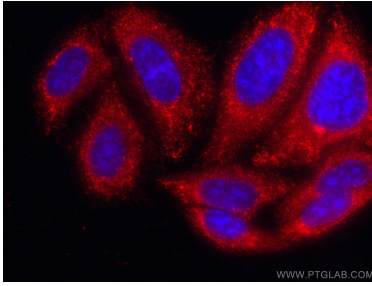
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Coralite®594 ERp72 antibody (CL594-66365, Clone: 1D5F3 ) at dilution of 1:200.