

For Research Use Only

CoraLite®594-conjugated PDI Monoclonal antibody

Catalog Number: CL594-66422

Featured Product



Basic Information

Catalog Number:

CL594-66422

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG1747

GenBank Accession Number:

BC014504

GeneID (NCBI):

5034

UNIPROT ID:

P07237

Full Name:

prolyl 4-hydroxylase, beta polypeptide

Calculated MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

2E6A11

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat, pig

Positive Controls:

IF/ICC : HepG2 cells,

FC (Intra) : HeLa cells,

Background Information

PDIA1 (Protein disulfide-isomerase) is also named as ERBA2L, PDI, P4HB, PO4DB. It is a multifunctional protein that catalyzes the formation, breakage and rearrangement of disulfide bonds. In some cell types, it seems to be secreted or associated with the plasma membrane, where it undergoes constant shedding and replacement from intracellular sources. It can exist as homodimer and monomers and homotetramers may also occur (PMID:12095988).

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:

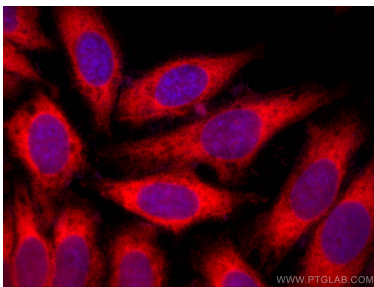
T: 4006900926

E: Proteintech-CN@ptglab.com

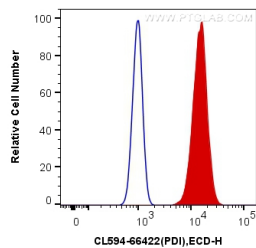
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite®594 PDI antibody (CL594-66422, Clone: 2E6A11) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PDI (CL594-66422, Clone:2E6A11) (red), or 0.4 ug Mouse IgG2b Isotype Control (CL594-66360-3, Clone: K11B8C4B5) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.