

For Research Use Only

CoraLite®594-conjugated PDIA3 Monoclonal antibody



Catalog Number:CL594-66423

Basic Information

Catalog Number: CL594-66423	GenBank Accession Number: BC014433	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2923	CloneNo.: 3G4G7
Source: Mouse	Full Name: protein disulfide isomerase family A, member 3	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 505 aa, 57 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG8741	Observed MW: 57 kDa, 60 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : U2OS cells,
Species Specificity: human, mouse, rat	

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

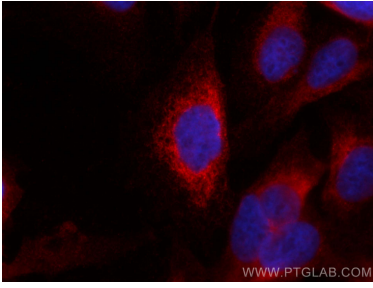
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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
W: ptglab.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 U2OS cells using CoraLite®594 PDIA3 antibody (CL594-66423, Clone: 3G4G7) at dilution of 1:200.