

For Research Use Only

CoraLite®488-conjugated PDIA3 Monoclonal antibody



Catalog Number:CL488-66423

Basic Information

Catalog Number: CL488-66423	GenBank Accession Number: BC014433	Purification Method: Protein G purification
Size: 100UL, Concentration: 2000 µg/ml by 2923 Bradford method using BSA as the standard;	GeneID (NCBI): Full Name: protein disulfide isomerase family A, member 3	CloneNo.: 3G4G7
Source: Mouse	Calculated MW: 505 aa, 57 kDa	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Observed MW: 57 kDa, 60 kDa	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Immunogen Catalog Number: AG8741		

Applications

Tested Applications: IF, ELISA	Positive Controls: IF : HEK-293 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.

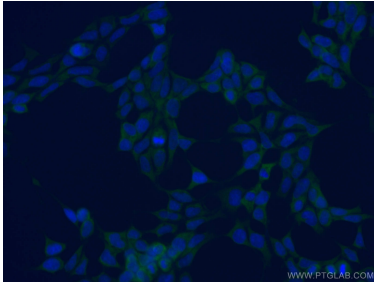
Storage

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

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)
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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 (-20°C Ethanol) fixed HEK-293 cells using CL488-66423 (PDIA3 antibody) at dilution of 1:100.