

For Research Use Only

CoraLite® Plus 488-conjugated Glutaredoxin 5 Polyclonal antibody

Catalog Number:CL488-18884



Basic Information

Catalog Number: CL488-18884	GenBank Accession Number: BC023528	Purification Method: Antigen affinity Purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 51218	Recommended Dilutions: IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q86SX6	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: glutaredoxin 5	
Immunogen Catalog Number: AG13445	Calculated MW: 157 aa, 17 kDa	
	Observed MW: 10-15 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : MCF-7 cells,
Species Specificity: human, mouse	

Background Information

Glutaredoxin 5 (GLRX5) is an essential protein engaging in mitochondrial iron-sulfur cluster (ISC) transfers to iron regulatory protein (IRP), m-aconitase, and ferrochelatase. GLRX5 deficiency impairs heme biosynthesis, causing sideroblastic anemia and variant nonketotic hyperglycinemia in humans. Mutations of GLRX5 lead to distinct effects on downstream ISC biosynthesis and maturation.

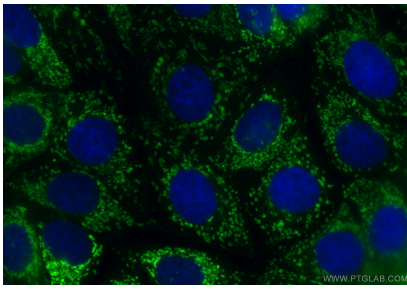
Storage

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: 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 (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 Glutaredoxin 5 antibody (CL488-18884) at dilution of 1:200.