

For Research Use Only

CoraLite® Plus 488-conjugated DIO1 Polyclonal antibody



Catalog Number: CL488-11790

Basic Information

Catalog Number: CL488-11790	GenBank Accession Number: BC017955	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1733	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P49895	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: deiodinase, iodothyronine, type I	
Immunogen Catalog Number: AG2410	Calculated MW: 249 aa, 29 kDa	
	Observed MW: 29 kDa, 13 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : A549 cells,
Species Specificity: human, mouse, rat	

Background Information

DIO1 (Type I iodothyronine deiodinase) is also named as ITDI1, TXDI1, 5DI, DIO1 and belongs to the iodothyronine deiodinase family. It is a membrane selenoprotein that catalyzes the deiodination of L-thyroxine to the biologically active thyroid hormone 3,3',5-triiodothyronine. DIO1 is located in liver, kidney, and thyroid, which has both ORD and IRD activities (PMID: 9389495). It has some isoforms produced by alternative splicing with the MW of 29 kDa, 21 kDa, 13 kDa, 23 kDa, 19 kDa, 4 kDa, 13 kDa, 9 kDa and 10 kDa.

Storage

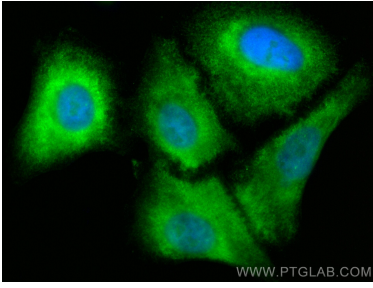
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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 Methanol) fixed A549 cells using Coralite® Plus 488 DIO 1 antibody (CL488-11790) at dilution of 1:200.