

For Research Use Only

# CoraLite® Plus 488-conjugated PTPN1/PTP1B Recombinant monoclonal antibody

Catalog Number:**CL488-85905-4**

Featured Product



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-85905-4	BC015660	Protein A purification
Source:	GenelD (NCBI):	CloneNo.:
Rabbit	5770	250215G6
Isotype:	UNIPROT ID:	Recommended Dilutions:
IgG	P18031	IF/ICC: 1:50-1:500
Immunogen Catalog Number:	Full Name:	Excitation/Emission maxima
AG1878	protein tyrosine phosphatase, non-receptor type 1	wavelengths:
	Calculated MW:	493 nm / 522 nm
	Observed MW:	
	50 kDa	

## Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : BxPC-3 cells,
Species Specificity:	
human	

## Background Information

PTPN1 (protein tyrosine phosphatase, non-receptor type 1) is also named as PTP1B or PTP-1B, and belongs to the protein-tyrosine phosphatase family and non-receptor class 1 subfamily. PTPN1 is involved in the regulation of several important physiological pathways, which regulates both INS and Leptin signaling, and interacts with the epidermal-and platelet-derived growth factor receptors (PMID: 20101100). The gene might harbor variants influencing susceptibility to INS resistance and type 2 diabetes (PMID:15919813). The molecular mass of PTPN1 is 50 kDa, but sometimes some truncated forms can be detected as 48, 46, 39, 37 kDa due to non-specific proteolytic cleavage of PTP1B in different cells (PMID: 18253097).

## 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:  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed BxPC-3 cells using Coralite® Plus 488  
PTPN1/PTP1B antibody (CL488-85905-4, Clone:  
250215G6 ) at dilution of 1:200.