

For Research Use Only

# CoraLite® Plus 488-conjugated PTPN9 Monoclonal antibody

Catalog Number: CL488-67931



## Basic Information

<b>Catalog Number:</b> CL488-67931	<b>GenBank Accession Number:</b> BC010863	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5780	<b>CloneNo.:</b> 1D6E4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P43378	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> protein tyrosine phosphatase, non-receptor type 9	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG30615	<b>Calculated MW:</b> 593 aa, 68 kDa	
	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : U2OS cells,
<b>Species Specificity:</b> human, mouse, pig	

## Background Information

PTPN9, Tyrosine-protein phosphatase non-receptor type 9, is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN9 is involved in the transfer of hydrophobic ligands or in functions of the Golgi apparatus (PMID: 19167335). MiR-96 inhibits PTPN9 expression and consequently promotes proliferation, migration and invasion of breast cancer cells (PMID:27857177).

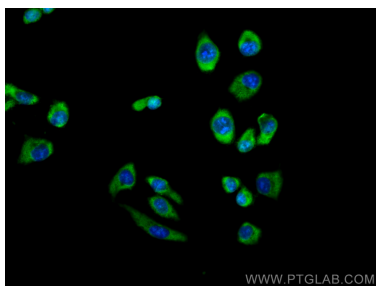
## Storage

**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**

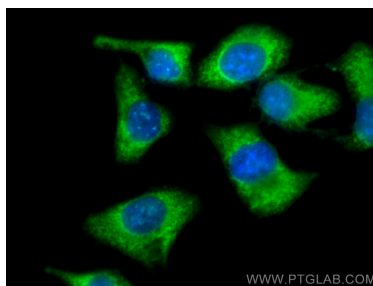
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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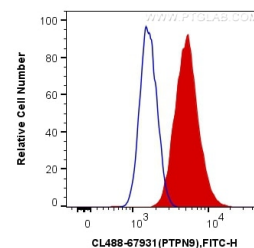
## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using Coralite® Plus 488 PTPN9 antibody (CL488-67931, Clone: 1D6E4 ) at dilution of 1:200.



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1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human PTPN9 (CL488-67931, Clone:1D6E4) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).