

For Research Use Only

# PTPN2 Monoclonal antibody

Catalog Number: 67388-1-Ig



## Basic Information

<b>Catalog Number:</b> 67388-1-Ig	<b>GenBank Accession Number:</b> BC016727	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5771	<b>CloneNo.:</b> 2A1D1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P17706	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:250-1:1000
<b>Isotype:</b> IgG1	<b>Full Name:</b> protein tyrosine phosphatase, non-receptor type 2	
<b>Immunogen Catalog Number:</b> AG29749	<b>Calculated MW:</b> 49 kDa	
	<b>Observed MW:</b> 45-50 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse, Rat	<b>WB :</b> PC-3 cells, HeLa cells, 4T1 cells, LNCaP cells, HEK-293T cells, MCF-7 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, HepG2 cells, K-562 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human breast cancer tissue,

## Background Information

PTPN2(Tyrosine-protein phosphatase non-receptor type 2) is also named as PTPT and belongs to the protein-tyrosine phosphatase family. It may modulate beta-cell apoptosis and/or local release of inflammatory mediators in the course of a viral infection by acting, at least in part, at the pancreatic beta-cell level(PMID: 19825843). This protein has some isoforms produced by alternative splicing with the molecular mass of 40-50 kDa.

## Storage

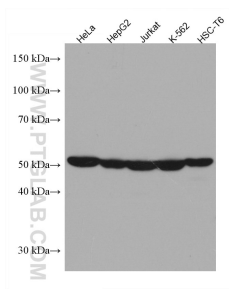
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

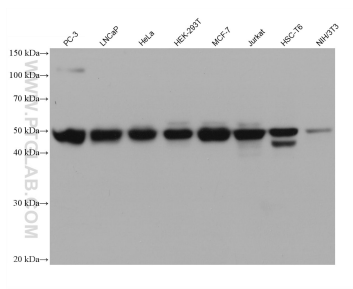
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

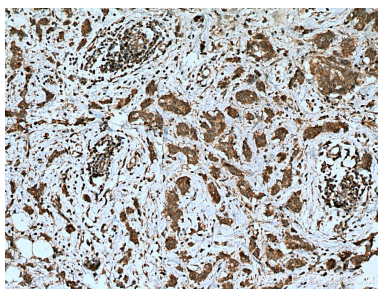
## Selected Validation Data



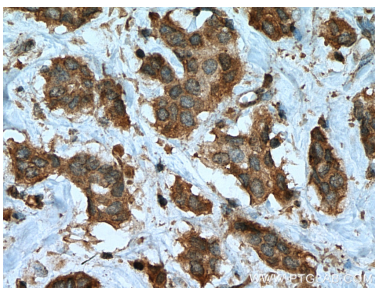
Various lysates were subjected to SDS PAGE followed by western blot with 67388-1-Ig (PTPN2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67388-1-Ig (PTPN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67388-1-Ig (PTPN2 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67388-1-Ig (PTPN2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).