

For Research Use Only

# PTPN6/SHP1 Recombinant monoclonal antibody, PBS Only

Catalog Number:80670-2-PBS



## Basic Information

<b>Catalog Number:</b> 80670-2-PBS	<b>GenBank Accession Number:</b> BC002523	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5777	<b>CloneNo.:</b> 252458C5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29350	
<b>Isotype:</b> IgG	<b>Full Name:</b> protein tyrosine phosphatase, non-receptor type 6	
<b>Immunogen Catalog Number:</b> AG21415	<b>Calculated MW:</b> 597 aa, 68 kDa	
	<b>Observed MW:</b> 63 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

PTPN6(Tyrosine-protein phosphatase non-receptor type 6) is also named as HCP, PTP1C and belongs to the protein-tyrosine phosphatase family. It regulates muscle INS action in a cell-autonomous manner, further suggesting that the PTPase negatively modulates INS action through down-regulation of both INS signaling to AKT1 and SLC2A4 translocation, as well as SLC2A4 expression(PMID:21952243). It has 4 isoforms produced by alternative splicing.

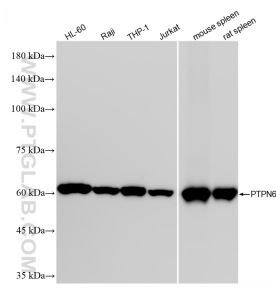
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80670-2-RR (PTPN6 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80670-2-PBS in a different storage buffer formulation.