

For Research Use Only

# PTPN6/SHP1 Recombinant monoclonal antibody

Catalog Number:80670-2-RR



## Basic Information

<b>Catalog Number:</b> 80670-2-RR	<b>GenBank Accession Number:</b> BC002523	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5777	<b>CloneNo.:</b> 252458C5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29350	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<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, ELISA

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

### Positive Controls:

WB : HL-60 cells, Raji cells, THP-1 cells, Jurkat cells, mouse spleen tissue, rat spleen tissue

## 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 -20°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

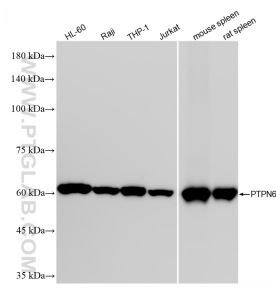
For technical support and original validation data for this product please contact:

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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



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.