

For Research Use Only

# Phospho-ZAP70 (Tyr319)/SYK (Tyr352) Recombinant monoclonal antibody

Catalog Number: 81767-2-RR



## Basic Information

<b>Catalog Number:</b> 81767-2-RR	<b>GenBank Accession Number:</b> BC039039	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7535	<b>CloneNo.:</b> 250683A9
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000115085	<b>Recommended Dilutions:</b> WB: 1:1000-1:6000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P43403	
	<b>Full Name:</b> zeta-chain (TCR) associated protein kinase 70kDa	
	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 70 kDa, 72kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : H2O2 treated Jurkat cells,
<b>Species Specificity:</b> human	

## Background Information

Zeta-associated protein (ZAP)-70, a member of the Syk family of tyrosine kinases, plays an important role in T-cell receptor signaling, natural killer (NK) cell activation and early B-cell development. Three tyrosine residues (Tyr292, Tyr315 and Tyr319) in the interdomain B region of ZAP-70 have attracted particular attention as sites that might regulate ZAP-70 activity and/or binding to heterologous proteins. The third candidate phosphorylation site in the interdomain B region of ZAP-70 is Tyr319. Although the functional importance of this site in ZAP-70 is unknown, a previous report presented indirect evidence that the orthologous Tyr352 residue in Syk is involved in the association of PLC-γ 1 with this PTK. (PMID: 10202147)

## Storage

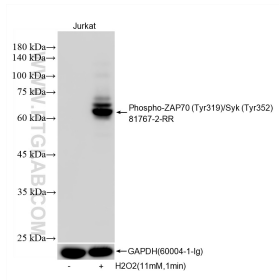
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

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



Non-treated Jurkat cells and H2O2 treated Jurkat cells were subjected to SDS PAGE followed by western blot with 81767-2-RR (Phospho-ZAP70 (Tyr319)/Syk (Tyr352) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.