

For Research Use Only

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



Catalog Number: 81767-2-PBS

## Basic Information

<b>Catalog Number:</b> 81767-2-PBS	<b>GenBank Accession Number:</b> BC039039	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 7535	<b>CloneNo.:</b> 250683A9
<b>Isotype:</b> IgG	<b>ENSEMBL Gene ID:</b> ENSG00000115085	
	<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

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

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 -  $\gamma$  1 with this PTK. (PMID: 10202147)

## Storage

### Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

### Storage Buffer:

PBS only, pH7.3

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

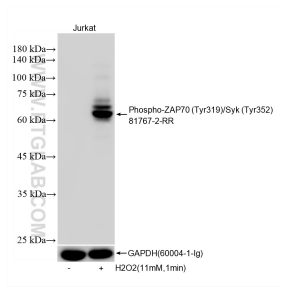
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@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. This data was developed using the same antibody clone with 81767-2-PBS in a different storage buffer formulation.