

For Research Use Only

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



Catalog Number: 81767-2-PBS

Basic Information

Catalog Number: 81767-2-PBS	GenBank Accession Number: BC039039	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7535	CloneNo.: 250683A9
Source: Rabbit	ENSEMBL Gene ID: ENSG00000115085	
Isotype: IgG	UNIPROT ID: P43403	
	Full Name: zeta-chain (TCR) associated protein kinase 70kDa	
	Calculated MW: 70 kDa	
	Observed MW: 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- γ 1 with this PTK. (PMID: 10202147)

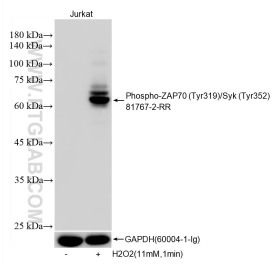
Storage

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)
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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.