

For Research Use Only

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

Catalog Number: 81767-2-RR



Basic Information

Catalog Number:

81767-2-RR

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC039039

GeneID (NCBI):

7535

ENSEMBL Gene ID:

ENSG00000115085

UNIPROT ID:

P43403

Full Name:

zeta-chain (TCR) associated protein
kinase 70kDa

Calculated MW:

70 kDa

Observed MW:

70 kDa, 72kDa

Purification Method:

Protein A purification

CloneNo.:

250683A9

Recommended Dilutions:

WB: 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: H2O2 treated Jurkat cells,

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

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

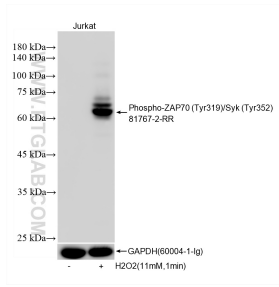
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Selected Validation Data



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.