

# Phospho-ZAP70-Y319 Rabbit Polyclonal Antibody



CABP0467

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

70kDa

### Calculated MW:

35kDa/55kDa/69kDa

### Applications:

WB IHC IF IP

### Reactivity:

Human

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50

- 1:200 IF 1:50 - 1:200 IP

1:50 - 1:100

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

7535

### Uniprot

P43403

### Synonyms:

ZAP70; ADMIO2; IMD48; SRK; STCD; STD; TZK; ZAP-70

### Immunogen:

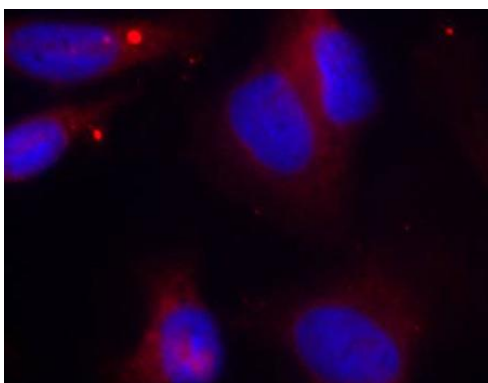
A synthetic phosphorylated peptide around Y319 of human ZAP70 (NP\_001070.2).

### Storage:

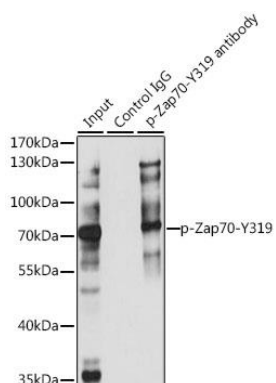
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Immunofluorescence analysis of methanol-fixed HeLa cells using Phospho-ZAP70-Y319 antibody (CABP0467).



Immunoprecipitation analysis of 200ug extracts of Jurkat cells, using 3 ug Phospho-ZAP70-Y319 pAb (CABP0467). Western blot was performed from the immunoprecipitate using Phospho-ZAP70-Y319 pAb (CABP0467) at a dilution of 1:1000. Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight.