

AP1435

Leader in Biomolecular Solutions for Life Science



# Phospho-ZAP70-Y493 Rabbit mAb

Catalog No.: AP1435

Recombinant

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

70kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

IF/ICC, ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC59392

## 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.

## Recommended Dilutions

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

7535

### Swiss Prot

P43403

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

ZAP70; ADMIO2; IMD48; SRK; STCD; STD; TZK; ZAP-70; tyrosine-protein kinase ZAP-70; Phospho-ZAP70-Y493

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

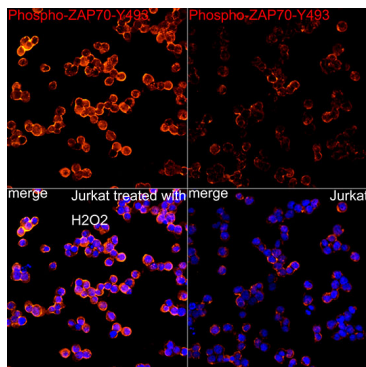
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

---



Immunofluorescence analysis of Jurkat treated with H<sub>2</sub>O<sub>2</sub> and Jurkat cells using Phospho-ZAP70-Y493 Rabbit mAb (AP1435) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.