

Phospho-ZAP70-Y493 Rabbit mAb

Catalog No.: AP1435 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

70kDa

Category

Primary 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

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Product Information

Source

Rabbit

Isotype

IgG

Purification

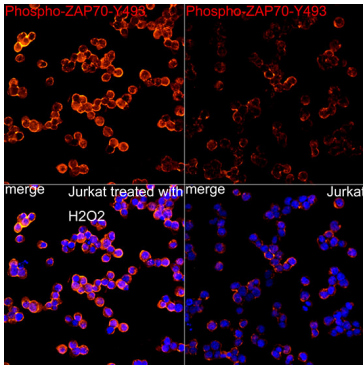
Affinity purification

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 H2O2 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.