

A0454

Leader in Biomolecular Solutions for Life Science



# ZAP70 Rabbit pAb

Catalog No.: A0454

## Basic Information

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### Observed MW

63kDa

### Calculated MW

70kDa

### Category

Polyclonal Antibody

### Applications

WB,FC

### Cross-Reactivity

Human

## Background

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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

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WB 1:500 - 1:1000

FC 1:20 - 1:50

## Immunogen Information

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### Gene ID

7535

### Swiss Prot

P43403

### Immunogen

A synthetic peptide of human ZAP70

### Synonyms

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

## Contact

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

## Product Information

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### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

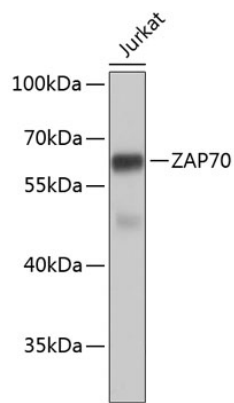
### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH7.3.

## Validation Data

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Western blot analysis of extracts of Jurkat cells, using ZAP70 antibody (A0454).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.