Phospho-ZAP70-Y319 Rabbit pAb

Catalog NO.: AP0467 **2 Publications**

Basic Information

Observed MW
70kDa

Calculated MW
70kDa

Category
Phosphorylated Antibodies

Applications
WB, IP, ELISA

Cross-Reactivity
Human

Conjugation
Unconjugated

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

WB 1:500 - 1:2000

IP
0.5μg-4μg antibody for 200μg-400μg extracts of whole cells

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
SRK; STD; TZK; STCD; IMD48; ADMIO2; ZAP-70; Phospho-ZAP70-Y319

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

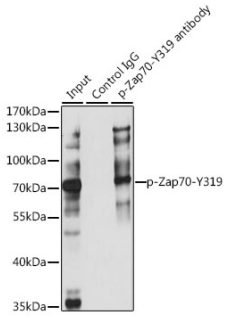
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-ZAP70-Y319 pAb (AP0467). Western blot was performed from the immunoprecipitate using Phospho-ZAP70-Y319 pAb (AP0467) at a dilution of 1:1000. Jurkat cells were treated with Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight.

For research use only. Not for therapeutic or diagnostic purposes.

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