

Product Data Sheet: Phospho-ZAP-70 (Y319) Rabbit Polyclonal Antibody

Cat. No: ABP11202
Conjugate: Unconjugated

Size: 100 ug

Clone: Poly

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen: The antiserum was produced against synthesized peptide derived from human

ZAP-70 around the phosphorylation site of Tyr319. AA range:286-335

Reactivity: Human, Mouse, Rat

Western Blot: 1:500 - 1:2000

Applications: Immunohistochemistry: 1:100- 1:300

Immunofluorescence: 1:200 - 1:1000

ELISA: 1:20000

Molecular Weight: 70kDa

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Synonyms: ZAP70; SRK; Tyrosine-protein kinase ZAP-70; 70 kDa zeta-chain associated

protein; Syk-related tyrosine kinase

Zeta chain of T cell receptor associated protein kinase 70(ZAP70) Homo sapiens 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

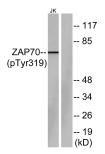
different isoforms have been found for this gene.

Form: liquid

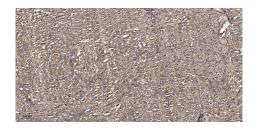
Background:

Buffer: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

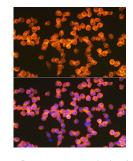
Storage: Store at -20°C. Avoid repeated freeze-thaw cycles.



Western blot analysis of lysates from Jurkat cells, using ZAP-70 (Phospho-



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4°



Immunofluorescence analysis of Jurkat cells using Phospho-ZAP70-Y319 Rabbit



Product Data Sheet: Phospho-ZAP-70 (Y319) Rabbit Polyclonal Antibody

Tyr319) Antibody. The lane on the right is blocked with the phospho peptide.

overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200

pAb at dilution of 1:100 (40x lens).Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight. Blue: DAPI for nuclear staining.

For Research use only IMMUNOLOGICAL SCIENCES