

Anti-Phospho-ZAP70 (Tyr319) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108862

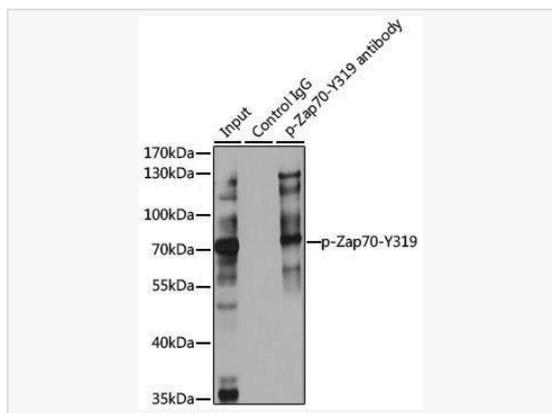
Product Information

Application	WB, IP, ELISA
Reactivity	Human
Dilution	WB 1:500~1:2,000; IP 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around Y319 of human ZAP70 (NP_001070.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-ZAP70 (Tyr319) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	SRK; STD; TZK; STCD; IMD48; ADMIO2; ZAP-70; Phospho-ZAP70-Y319.
Calculated MW	Calculated MW: 70 kDa; Observed MW: 70 kDa
Uniprot ID	P43403
Gene ID	7535
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.

Validation Images



Immunoprecipitation analysis of 200 μ g extracts of Jurkat cells, using 3 μ g Phospho-ZAP70-Y319 pAb (P108862). Western blot was performed from the immunoprecipitate using Phospho-ZAP70-Y319 pAb (P108862) at a dilution of 1:1000. Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37°C for 2 minutes after serum-starvation overnight.