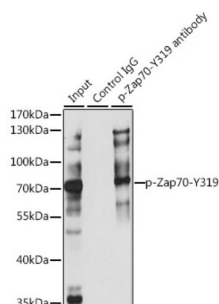


ZAP70 (pY319) Antibody

Catalogue No.: abx000514



Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-ZAP70-Y319 antibody. Western blot was performed from the immunoprecipitate using Phospho-ZAP70-Y319 antibody 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.

ZAP70 (pY319) Antibody is a Rabbit Polyclonal antibody against ZAP70 (pY319). 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.

Target: ZAP70 (pY319)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IP

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: A synthetic phosphorylated peptide around Y319 of human ZAP70.

Isotype: IgG

Form: Liquid

Purification: Purified by affinity chromatography.

Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 4.0.0

Revision date: 09 Sep 2025



UniProt Primary AC: P43403 ([UniProt](#), [ExPASy](#))

Gene Symbol: ZAP70

GeneID: [7535](#)

NCBI Accession: NP_001070.2

KEGG: hsa:7535

String: [9606.ENSP00000264972](#)

Molecular Weight: Calculated MW: 70 kDa
Observed MW: 70 kDa

Buffer: PBS, pH 7.3, containing 0.05% Proclin-300, 50% glycerol.

Concentration: > 0.2 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only