

ZAP70 (phospho Y292) polyclonal antibody

Catalog # PAB31631 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human ZAP70 (phospho Y292).
Immunogen	A synthetic peptide corresponding to amino acids 230-310 of human ZAP70 (phospho Y292).
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of ZAP-70 protein only when phosphorylated at Y292.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	ELISA (1:5000) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — ZAP70

Entrez GeneID [7535](#)

Protein Accession# [P43403](#)

Gene Name ZAP70

Gene Alias FLJ17670, FLJ17679, SRK, STD, TZK, ZAP-70

Gene Description zeta-chain (TCR) associated protein kinase 70kDa

Omim ID [176947](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations syk-related tyrosine kinase|zeta-chain (TCR) associated protein kinase (70 kD)|zeta-chain associated protein kinase 70kDa|zeta-chain associated protein kinase, 70kD

Pathway

- [Natural killer cell mediated cytotoxicity](#)
- [Primary immunodeficiency](#)
- [T cell receptor signaling pathway](#)

Disease

- [HIV Infections](#)