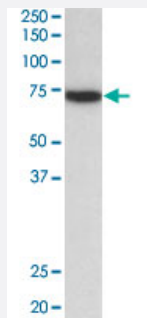


ZAP70 polyclonal antibody

Catalog # PAB24606 Size 100 ug

Applications



Western Blot (Cell lysate)

ZAP70 polyclonal antibody (Cat # PAB24606) (0.3 ug/mL) staining of Jurkat lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ZAP70.
Immunogen	A synthetic peptide corresponding to internal region of human ZAP70.
Sequence	C-SDGYTPEPARITSPD
Host	Goat
Theoretical MW (kDa)	70
Reactivity	Human
Specificity	This antibody is expected to recognize isoform 1 (NP_001070.2) only.
Form	Liquid
Purification	Antigen affinity purification
Recommend Usage	ELISA (1:32000) Western Blot (0.3-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ZAP70

Entrez GeneID[7535](#)**Protein Accession#**[NP_001070.2](#)**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](#)