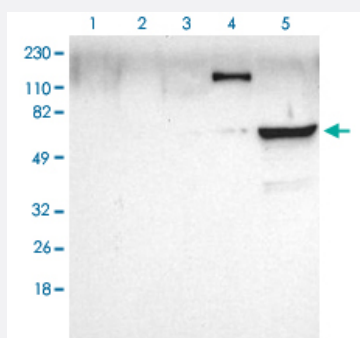


ZAP70 polyclonal antibody

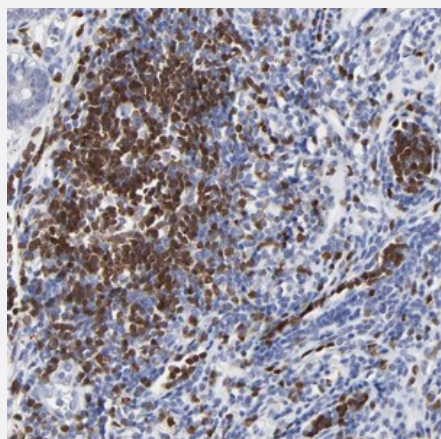
Catalog # PAB30842 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) Human RT-4 cell, (2) Human U-251MG sp cell, (3) Human plasma (IgG/HSA depleted), (4) Human liver tissue and (5) Human tonsil tissue.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human appendix shows strong nuclear positivity in lymphoid tissue.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human ZAP70.
Immunogen	Recombinant protein corresponding to human ZAP70.
Sequence	LIYCLKEACPNSSASNASGAAAPTLP AHPSTLTHPQRRIDTLNSDGYTPEPARITSPDKPRMPMD TSVYESPYSDPEELKDKKFLKRDNLLIADIELGCGNFGSVRQGVYMRKKQIDVAIKVLKQGTEK ADTEEMMR
Host	Rabbit

Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-500) Western Blot (1:100-250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage 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

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Gene Info — ZAP70

Entrez GeneID	7535
GeneBank 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](#)