

Rabbit anti-Human ZAP70 Polyclonal Antibody | anti-ZAP70 antibody

ZAP70 Antibody (Center)

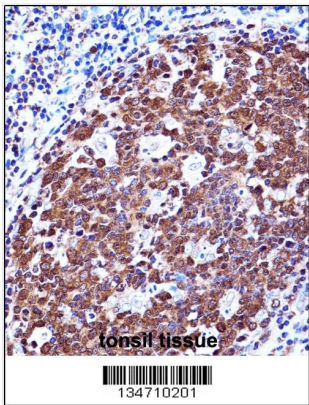
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289302	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

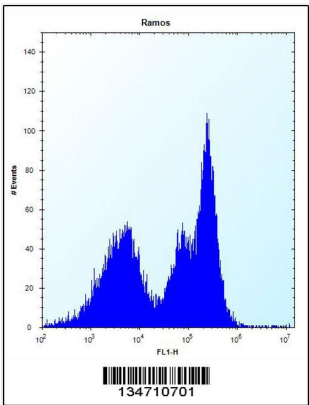
ZAP70; Polyclonal Antibody; ZAP70 Antibody (Center); Tyrosine-protein kinase ZAP-70; 70 kDa zeta-chain associated protein; Syk-related tyrosine kinase; SRK; anti-ZAP70 antibody

PRODUCT SPECIFICATIONS

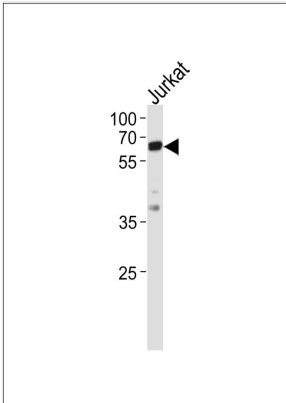
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ZAP70 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 276-304 amino acids from the Central region of human ZAP70.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	276-304
Sequence Length	619
Applicable Applications for anti-ZAP70 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
ZAP70 Antibody (Center) (AAA289302)immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ZAP70 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



FCM/FACS (Flow Cytometry)
ZAP70 Antibody (Center) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
ZAP70 Antibody (Center) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the ZAP70 antibody detected the ZAP70 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ZAP70 antibody	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.
Product Categories/Family for anti-ZAP70 antibody	Crown Antibodies; Metabolism
References	Zanotti, R., et al. Am. J. Hematol. 85(7):494-498(2010) Lin, Y.P., et al. Mol. Immunol. 47 (11-12), 2022-2029 (2010) : Liu, H., et al. Proc. Natl. Acad. Sci. U.S.A. 107(22):10166-10171(2010) Kotaskova, J., et al. J Mol Diagn 12(3):328-334(2010) Trojani, A., et al. Cancer Biomark 6(1):1-9(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	31455611
NCBI GeneID	7535
NCBI Accession #	NP_001070.2; NP_997402.1
NCBI GenBank Nucleotide #	NM_001079.3
UniProt Accession #	P43403; Q6PIA4; Q8IXD6; Q9UBS6; A6NFP4
Molecular Weight	69872
NCBI Official Full Name	tyrosine-protein kinase ZAP-70 isoform 1
NCBI Official Synonym Full Names	zeta-chain (TCR) associated protein kinase 70kDa
NCBI Official Symbol	ZAP70
NCBI Official Synonym Symbols	SRK; STD; TZK; STCD; ZAP-70
NCBI Protein Information	tyrosine-protein kinase ZAP-70
UniProt Protein Name	Tyrosine-protein kinase ZAP-70
UniProt Gene Name	ZAP70
UniProt Synonym Gene Names	SRK
UniProt Entry Name	ZAP70_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/zap70-antibody-western-blot-immunohistochemistry-flow-cytometry-elisa/289302>