

Mouse anti-Human ZAP-70 Monoclonal Antibody | anti-ZAP-70 antibody

ZAP-70 Mouse mAb

CATALOG # AAA320376	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

ZAP-70; Monoclonal Antibody; ZAP-70 Mouse mAb; 70 kDa zeta associated protein; 70 kDa zeta-associated protein; EC 2.7.10.2; FLJ17670; FLJ17679; Selective T cell defect; SRK; STD; Syk related tyrosine kinase; Syk-related tyrosine kinase; Truncated ZAP kinase; Tyrosine protein kinase ZAP70; Tyrosine-protein kinase ZAP-70; TZK; ZAP 70; ZAP70; ZAP70_HUMAN; Zeta chain associated protein kinase 70kD; Zeta chain associated protein kinase 70kDa; Zeta chain associated protein kinase 70kDa isoform 1; Zeta chain associated protein kinase 70kDa isoform 2; Zeta chain TCR associated protein kinase 70kD; Zeta chain TCR associated protein kinase 70kDa.; anti-ZAP-70 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of ZAP-70 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-ZAP-70 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human ZAP-70 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of Jurkat cell lysates (ZAP-70 positive expression cell line) and Ramos cell lysates (ZAP-70 negative expression cell line) using ZAP-70 mouse mAb.



WB (Western Blot)

Western blot detection of ZAP-70 in CEM and Jurkat cell lysates. negative in the Ramos cell lysates using ZAP-70 mouse mAb (1:1000 diluted). Predicted band size: 70kDa. Observed band size: 70kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ZAP-70 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. [provided by RefSeq, Jul 2008]
Product Categories/Family for anti-ZAP-70 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	31455611
NCBI GeneID	7535
NCBI Accession #	NP_001070.2
NCBI GenBank Nucleotide #	NM_001079.3
UniProt Accession #	P43403; Q6PIA4; Q8IXD6; Q9UBS6; A6NFP4
Molecular Weight	69,872 Da
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; syk-related tyrosine kinase; 70 kDa zeta-associated protein; 70 kDa zeta-chain associated protein; zeta-chain associated protein kinase, 70kD
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://stage.aaabiotech.com/monoclonal/zap-70-antibody-immunoprecipitation-western-blot-elisa/320376>