

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

ZAP70 (Chronic Lymphocytic Leukemia Marker) Recombinant Rabbit Monoclonal Antibody [Clone ZAP70/4040R]

CATALOG # AAA215985	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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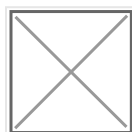
PRODUCT SYNONYMS

ZAP70; Monoclonal Antibody; ZAP70 (Chronic Lymphocytic Leukemia Marker) Recombinant Rabbit Monoclonal Antibody [Clone ZAP70/4040R]; ZAP70 (Chronic Lymphocytic Leukemia Marker); Selective T cell defect; SRK; STD; Syk-related tyrosine kinase; Tyrosine-protein kinase ZAP-70; TZK; Zeta chain associated protein kinase 70kDa; anti-ZAP70 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit/IgG
Clone Number	ZAP70/4040R
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 1mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-ZAP70 antibody	IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Synthetic peptide corresponding to residues within aa200-350 of ZAP-70 was used as an immunogen.
Cellular Localization	Cell surface and cytoplasm
Positive Control	Jurkat cells. Tonsil or lymph node.
Hu-chromosome Location	2q12
Unigene	234569
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human tonsil stained with ZAP70 Recombinant Rabbit Monoclonal Antibody (ZAP70/4040R).

ADDITIONAL INFORMATION

Related Product Information for anti-ZAP70 antibody	Zeta-associated protein-70 (ZAP-70) is a member of the Syk family of tyrosine kinases, a group of proteins that attach to the zeta chain components of T-cell receptors to signal downstream events involved in the regulation of cell function, proliferation, and death. Research suggests that the ZAP-70 protein may also play an important role in natural killer (NK) cell activation and early B-cell development; however, it is not expressed in most normal mature B-cells. Expression of ZAP-70 has been reported in various lymphomas, including mantle cell lymphoma, small lymphocytic lymphoma and marginal zone lymphoma. During thymocyte development, ZAP-70 promotes survival and cell-cycle progression of developing thymocytes before positive selection (when cells are still CD4/CD8 double negative). Additionally, ZAP-70-dependent signaling pathway may also contribute to primary B-cells formation and activation through B-cell receptor (BCR).
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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.