



Rabbit Anti-Human ZAP70 Monoclonal Antibody, clone CQ7217 (CABT-Z264R)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa200-350 of ZAP-70 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7217
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	70 kDa
Cellular Localization	Nuclear and cytoplasmic
Positive Control	Tonsil Tissue
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	<p>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).</p>
Keywords	<p>ZAP70; zeta-chain (TCR) associated protein kinase 70kDa; SRK, zeta chain (TCR) associated protein kinase (70 kD); tyrosine-protein kinase ZAP-70; STD; ZAP 70; syk-related tyrosine kinase; 70 kDa zeta-associated protein; 70 kDa zeta-chain associated protein; zeta-chain associated protein kinase, 70kD</p>

GENE INFORMATION

Gene Name	ZAP70
Entrez Gene ID	7535
UniProt ID	P43403