



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 | 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). |
| Keywords | 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 |

GENE INFORMATION

| | |
|-----------------------|------------------------|
| Gene Name | ZAP70 |
| Entrez Gene ID | 7535 |
| UniProt ID | P43403 |
