

**Product Name: ZAP-70 Rabbit Monoclonal Antibody**  
**Catalog #: AMRe21087**



## Summary

|                        |                                   |
|------------------------|-----------------------------------|
| <b>Production Name</b> | ZAP-70 Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal Antibody        |
| <b>Host</b>            | Rabbit                            |
| <b>Application</b>     | WB,IHC,IF,IP,ELISA                |
| <b>Reactivity</b>      | Human,Mouse,Rat                   |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | IgG,Kappa                                                                                |
| <b>Clonality</b>    | Monoclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protective protein                           |
| <b>Purification</b> | Protein A                                                                                |

## Immunogen

|                          |                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | ZAP70                                                                                                     |
| <b>Alternative Names</b> | ZAP70;SRK;Tyrosine-protein kinase ZAP-70;70 kDa zeta-chain associated protein;Syk-related tyrosine kinase |
| <b>Gene ID</b>           | 7535.0                                                                                                    |
| <b>SwissProt ID</b>      | P43403.                                                                                                   |

## Application

|                         |                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------|
| <b>Dilution Ratio</b>   | IHC 1:200-1:1000;WB 1:2000-1:10000;IF 1:200-1:1000;ELISA 1:5000-1:20000;IP 1:50-1:200; |
| <b>Molecular Weight</b> | Calculated MW:70kD;Observed MW:70kD                                                    |

## Background

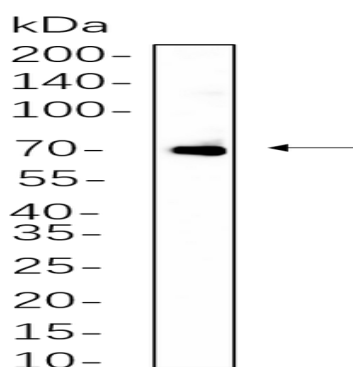
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Cell localization: Cytoplasm . Cell membrane ; Peripheral membrane protein . In quiescent T-lymphocytes, it is cytoplasmic. Upon TCR activation, it is recruited at the plasma membrane by interacting with CD247/CD3Z. Colocalizes together with RHOH in the immunological synapse. RHOH is required for its proper localization to the cell membrane and cytoskeleton fractions in the thymocytes (By similarity). ..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],

## Research Area

## Image Data



EL-4-B5 cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with primary antibody 1:1000. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.

## Note

For research use only.