

## ZAP70

**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC ICC IP

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IP 1:50 - 1:100

**Calculated MW:**70kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human ZAP70

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

n

**Synonym:**

FLJ17670; FLJ17679; SRK; STD; TZK; ZAP-70;

**Catalog #:**A2195

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**7535

**Isotype:**IgG

**Swiss Prot:**P43403

**Purity:**Affinity purification

For research use only.

**Background:**

The Syk family protein tyrosine kinase Zap-70 is expressed in T and NK cells and plays a critical role in mediating T cell activation in response to T cell receptor (TCR) engagement (1). Following TCR engagement, Zap-70 is rapidly phosphorylated on several tyrosine residues through autophosphorylation and transphosphorylation by the Src family tyrosine kinase Lck (2-6). Tyrosine phosphorylation correlates with increased Zap-70 kinase activity and downstream signaling events. Expression of Zap-70 is correlated with disease progression and survival in patients with chronic lymphocytic leukemia (7,8).

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