

## Product datasheet for **TA332508**

### ZAP70 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human ZAP70
Formulation:	Store at -20°C (regular) and -80°C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	619
Gene Name:	zeta chain of T cell receptor associated protein kinase 70kDa
Database Link:	<a href="#">NP_001070</a> <a href="#">Entrez Gene 22637 MouseEntrez Gene 301348 RatEntrez Gene 7535 Human P43403</a>
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).
Synonyms:	SRK; STCD; STD; TZK; ZAP-70

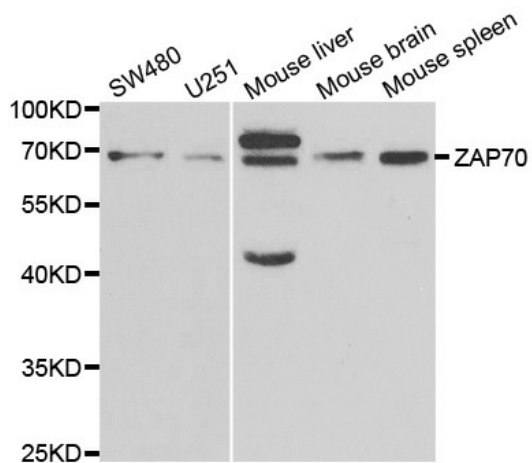


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**Protein Families:** Druggable Genome, Protein Kinase

**Protein Pathways:** Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway

**Product images:**



Western blot analysis of extracts of various cell lines, using ZAP70 antibody.