

## Product datasheet for **TA323317**

### ZAP70 Rabbit Polyclonal Antibody

#### Product data:

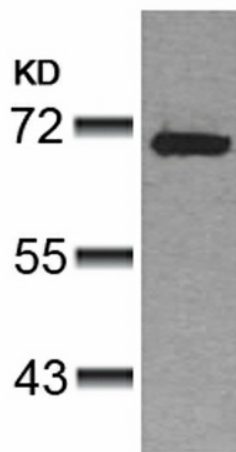
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1:500-1000, IHC: 1:50-100
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around aa.317~321 (S-P-Y-S-D) derived from Human ZAP70.
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69 kDa
Gene Name:	zeta chain of T cell receptor associated protein kinase 70kDa
Database Link:	<a href="#">NP_001070</a> <a href="#">Entrez Gene 22637 Mouse</a> <a href="#">Entrez Gene 7535 Human</a> <a href="#">P43403</a>
Background:	ZAP70 is a 70-kD tyrosine phosphoprotein that associates with the zeta chain and undergoes tyrosine phosphorylation following TCR stimulation. The ZAP70 gene is expressed in T- and natural KILLER cells. Protein-Tyrosine Kinases (PTKs) play an integral role in T-cell activation. Stimulation of the T-cell antigen receptor results in tyrosine phosphorylation of a number of cellular substrates. One of these is the TCR-zeta chain, which can mediate the transduction of extracellular stimuli into cellular effector functions
Synonyms:	SRK; STCD; STD; TZK; ZAP-70
Protein Families:	Druggable Genome, Protein Kinase



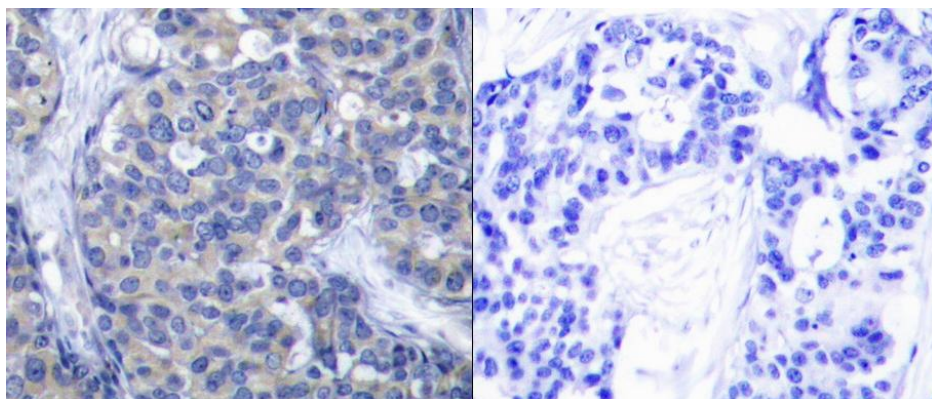
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**Protein Pathways:** Natural killer cell mediated cytotoxicity, Primary immunodeficiency, T cell receptor signaling pathway

**Product images:**



Predicted band size: 69 kDa. Positive control: HL60 cells lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lysate: 30 ug Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cytoplasm; Cell membrane. Positive control: Human tonsil tissue. Recommended dilution: 1/ 50-100 The image on the left is immunohistochemistry of paraffin-embedded human tonsil tissue using ZAP70 (Ab-319) antibody at dilution 1/50, on the right is treated with the synthetic peptide. (Original magnification: x200)