

35-1515: Polyclonal Antibody to Zap-70 (Ab-319)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human,Mouse,Rat
Gene :	ZAP70
Gene ID :	7535
Uniprot ID :	P43403
Format :	Purified
Alternative Name :	70 kDa zeta-associated protein, SRK, Syk-related tyrosine kinase, ZA70, ZAP-70
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.317~321 (S-P-Y-S-D) derived from Human ZAP70.

Description

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 Salomon AR, et al. (2003) Proc Natl Acad Sci U S A; 100(2): 443-448 Ku GM, et al. (2001) EMBO J; 20(3): 457-465 Tang J, et al. (1999) Proc Natl Acad Sci U S A; 96(17): 9775-9780 Zhao Q, et al. (1996) Mol Cell Biol; 16(12): 6765-6774 Williams BL, et al. (1999) EMBO J; 18(7): 1832-1844 Adjali O, et al. (2005) J Clin Invest; 115(8): 2287-2295.

Product Info

Amount :	50 μ l / 100 μ l
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 70kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

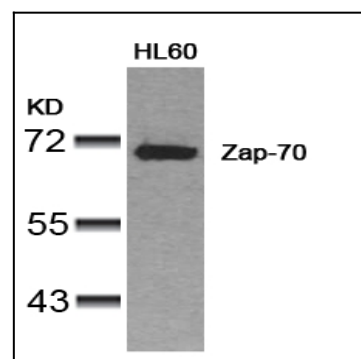


Figure 1: Western blot analysis of extracts from HL60 cells using Zap-70(Ab-319) Antibody 35-1515 .

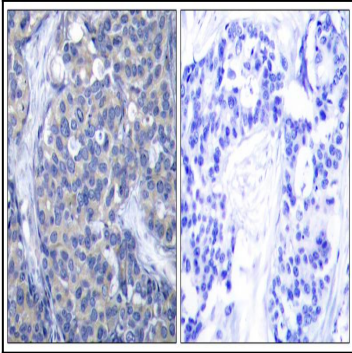


Figure 2: Immunohistochemical analysis of paraffin-embedded human tonsil tissue using Zap-70(Ab-319) Antibody 35-1515 (left) or the same antibody preincubated with blocking peptide(right).