

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

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| 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

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| Amount : | 50 µl / 100 µl |
| 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

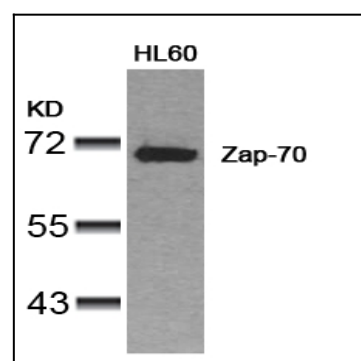


Figure 1: Western blot analysis of extracts from HL60 cells using Zap-70(Ab-319) Antibody 35-1515 .

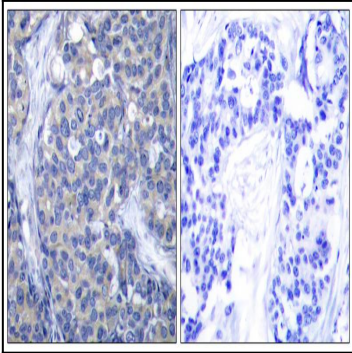


Figure 2: Immunohistochemical analysis of paraffin-embedded human tonsil tissue using Zap-70(Ab-319) Antibody 35-1515 (left) or the same antibody preincubated with blocking peptide(right).