

ZAP70 Mouse Monoclonal Antibody

E10-20064

Background: ZAP70 (zeta-chain associated protein kinase), a 70 kDa member of the SYK tyrosine kinase family, plays a central role in lymphocyte activation and development, and is implicated in several immune disorders. ZAP70 controls TCR(T-cell antigen receptor)-linked signal transduction pathways. Its key role in thymocytes development and mature T lymphocytes activation has been illustrated by the characterization of several human immunodeficiencies presenting with mutations in the ZAP70 gene. ZAP70 is also expressed in several types of B-cell neoplasm and is easily detected by immunohistochemistry, providing a useful prognostic marker in patients with chronic lymphocytic leukaemia.

Catalog Number: E10-20064

Amount: 100 μ g/100 μ l

Clone Number: 3D2A4

Species: Mouse IgG1

MW: 70kDa

Aliases: SRK; STD; TZK

Entrez Gene: 7535

Immunogen: Purified recombinant fragment of human ZAP70 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IHC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000, IHC.1/200 - 1/1000, ELISA. Propose dilution 1/10000.

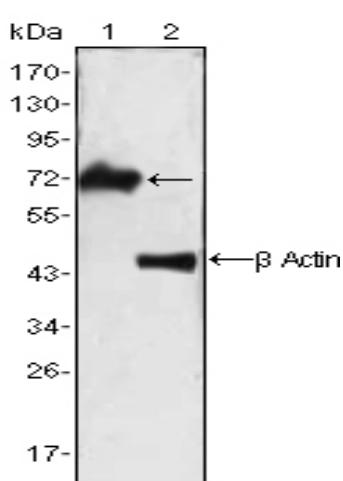


Figure 1. Western blot analysis using ZAP70 mouse mAb against Jurkat cell lysate (1).

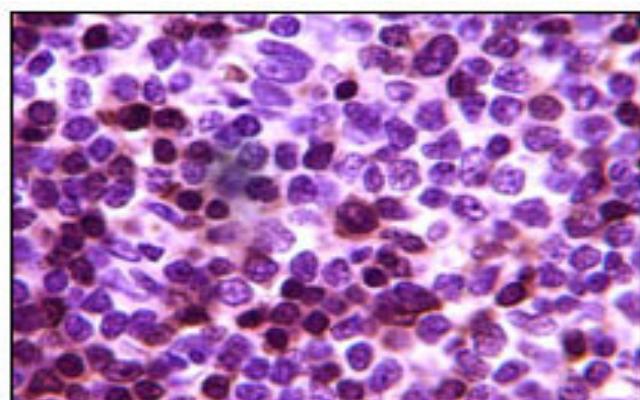


Figure 2. Immunohistochemical analysis of paraffin-embedded human lymph tumor, showing cytoplasmic localization using ZAP70 mouse mAb with DAB staining