

Product datasheet for **AM06119SU-N**

ZAP70 Mouse Monoclonal Antibody [Clone ID: 3D2A4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3D2A4
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western Blot: 1/500 - 1/2000. Immunohistochemistry on paraffin sections: 1/200 - 1/1000. ELISA: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human ZAP70 expressed in E. Coli.
Specificity:	This antibody reacts to ZAP70.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	70 kDa
Gene Name:	zeta chain of T cell receptor associated protein kinase 70kDa
Database Link:	Entrez Gene 7535 Human P43403



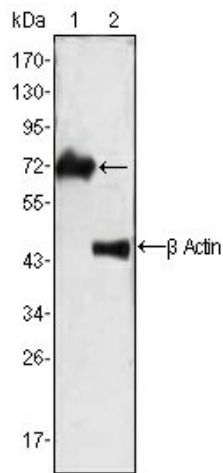
[View online »](#)

Background:

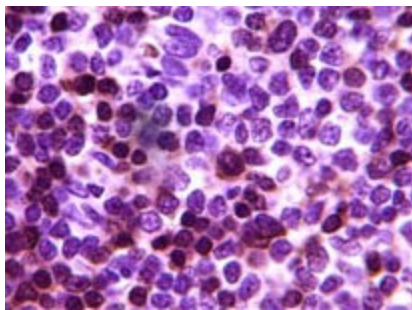
ZAP70 (zeta-chain associated protein kinase), a 70 kDa member of the SYK tyrosine kinase family, plays a central role in lymphocyte activation and development, and is implicated in several immune disorders. ZAP70 controls TCR(T-cell antigen receptor)-linked signal transduction pathways. Its key role 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.

Synonyms:

ZAP-70, ZAP 70, SRK

Product images:


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



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