

Datasheet for ABIN969464

anti-ZAP70 antibody[Go to Product page](#)**2** Images**3** Publications

Overview

Quantity:	100 µL
Target:	ZAP70
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human ZAP70 expressed in E. coli.
Clone:	3D2A4
Isotype:	IgG1
Purification:	purified

Target Details

Target:	ZAP70
Alternative Name:	ZAP70 (ZAP70 Products)
Background:	Description: 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

Target Details

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.

Aliases: SRK, STD, TZK

Molecular Weight: 70 kDa

Gene ID: 7535

HGNC: 7535

Pathways: [TCR Signaling](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

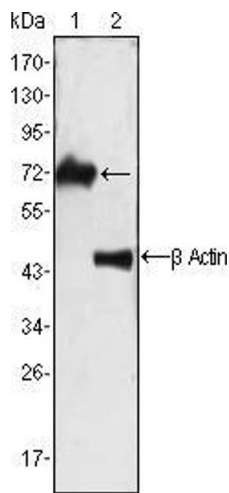
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

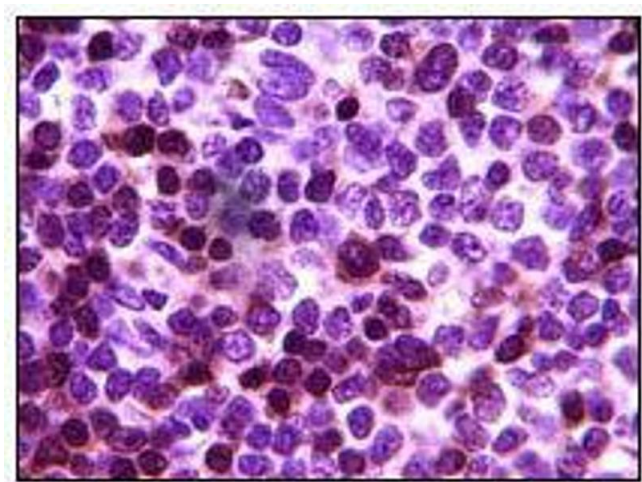
Publications

Product cited in: Koc, Cimen, Kumcuoglu, Abu, Akpinar, Haque, Spremulli, Koc: "Identification and characterization of CHCHD1, AURKAIP1, and CRIF1 as new members of the mammalian mitochondrial ribosome." in: **Frontiers in physiology**, Vol. 4, pp. 183, (2013) ([PubMed](#)).



Western Blotting

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



Immunohistochemistry

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