

Datasheet for ABIN2854924
anti-ZAP70 antibody (Center)



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2 Images

Overview

Quantity:	100 µL
Target:	ZAP70
Binding Specificity:	Center
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZAP70 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human ZAP70. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to ZAP70 (zeta-chain (TCR) associated protein kinase 70 kDa) ZAP70 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	ZAP70
Alternative Name:	ZAP70 (ZAP70 Products)

Target Details

Background: This gene encodes an enzyme belonging to the protein tyrosine kinase family, and it plays a role in T-cell development and lymphocyte activation. This enzyme, which is phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation, functions in the initial step of TCR-mediated signal transduction in combination with the Src family kinases, Lck and Fyn. This enzyme is also essential for thymocyte development. Mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T-cells. Two transcript variants that encode different isoforms have been found for this gene.

Cellular Localization: Cytoplasm (By similarity)

Molecular Weight: 70 kDa

Gene ID: 7535

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

Application Details

Application Notes: Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher. Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000*

Comment: Positive Control: Jurkat

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: 1XPBS, 20 % Glycerol (pH 7). 0.025 % ProClin 300 was added as a preservative.

Preservative: ProClin

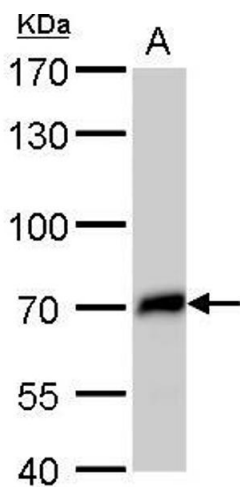
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw

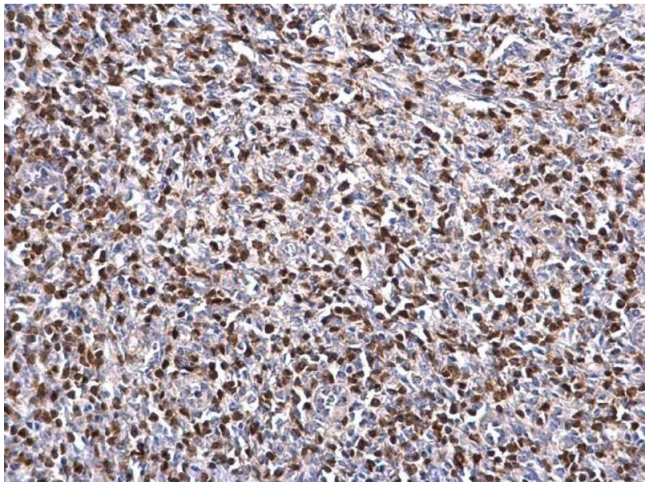
cycles.

Images



Western Blotting

Image 1. WB Image ZAP70 antibody detects ZAP70 protein by western blot analysis. A. 30 µg Jurkat whole cell lysate/extract 7.5 % SDS-PAGE ZAP70 antibody , dilution: 1:1000



Immunohistochemistry

Image 2. IHC-P Image ZAP70 antibody detects ZAP70 protein at nucleus on mouse lymph node by immunohistochemical analysis. Sample: Paraffin-embedded mouse lymph node. ZAP70 antibody , dilution: 1:500.