

Datasheet for ABIN7271430

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

Overview

Quantity:	100 µL
Target:	ZAP70
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	ZAP70 Rabbit mAb
Immunogen:	A synthesized peptide derived from human ZAP70
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ZAP70
Alternative Name:	ZAP70 (ZAP70 Products)
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

Target Details

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. [provided by RefSeq, Jul 2008],ADMO2, IMD48, SRK, STCD, STD, TZK, ZAP-70,Cell Biology & Developmental Biology,Hippo Signaling Pathway,Immunology & Inflammation,Kinase,Kinase_Tyrosine kinases,Protein phosphorylation,Signal Transduction,T Cell Receptor Signaling Pathway,ZAP70

Molecular Weight: 70kDa

Gene ID: 7535

UniProt: [P43403](#)

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

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

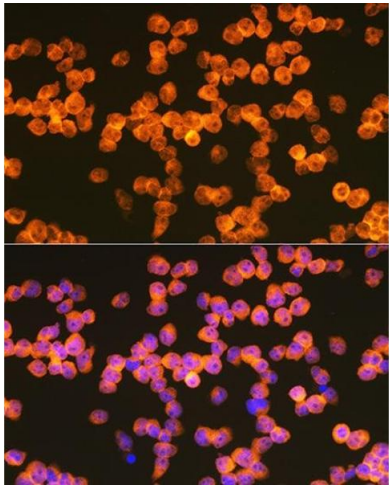
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

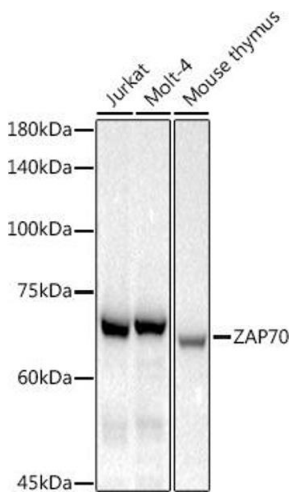
Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



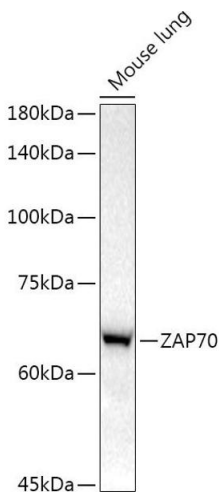
Immunofluorescence

Image 1. Immunofluorescence analysis of Jurkat cells using Z Rabbit mAb (ABIN7271430) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Z antibody (ABIN7271430) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Western Blotting

Image 3. Western blot analysis of extracts of Mouse lung, using Z antibody (ABIN7271430) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.