

Datasheet for ABIN3020535
anti-ZAP70 antibody (pTyr493)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	ZAP70
Binding Specificity:	pTyr493
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZAP70 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A phospho specific peptide corresponding to residues surrounding Y493 of human ZAP70
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies

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.,ZAP70,ADMI02,IMD48,SRK,STCD,STD,TZK,ZAP-70,Signal Transduction,Kinase,Tyrosine kinases,Cell Biology & Developmental Biology,Hippo Signaling Pathway,Immunology & Inflammation,T Cell Receptor Signaling Pathway,Protein phosphorylation,ZAP70

Molecular Weight: 35 kDa/55 kDa/69 kDa

Gene ID: 7535

UniProt: [P43403](#)

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

Application Details

Application Notes: WB,1:2000 - 1:5000,IHC,1:50 - 1:100,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

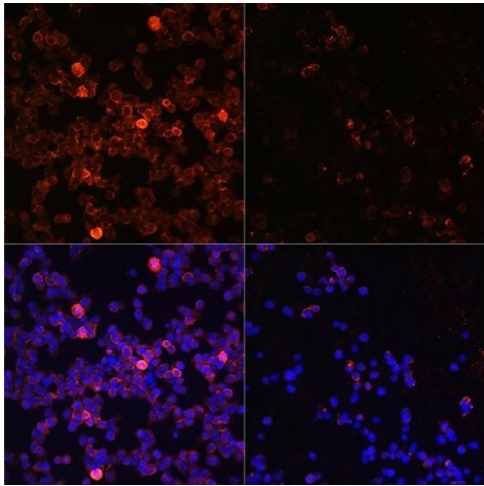
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

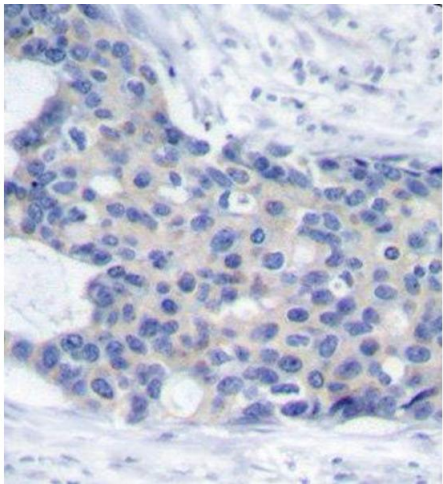
Storage: -20 °C

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



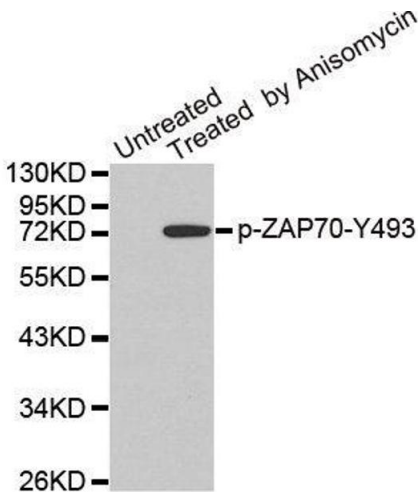
Immunofluorescence

Image 1. Immunofluorescence analysis of Jurkat cells using Phospho-Z-Y493 Rabbit pAb (ABIN3020534, ABIN3020535, ABIN3020536, ABIN1682145 and ABIN1682146) at dilution of 1:100 (40x lens). Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37 °C for 2 minutes after serum-starvation overnight. Blue: DAPI for nuclear staining.



Immunohistochemistry

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts from JK cells, using Phospho-ZAP70-Y493 antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3020535.