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Datasheet for ABIN3023646 anti-ZAP70 antibody (pTyr319)

3 Images



Overview

Quantity:	100 μL
Target:	ZAP70
Binding Specificity:	pTyr319
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZAP70 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

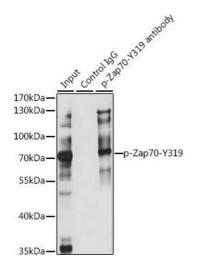
Product Details

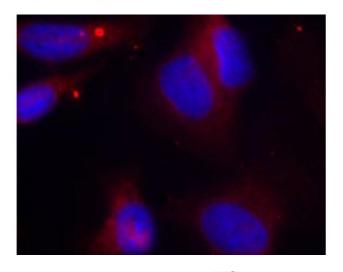
Immunogen:	A synthetic phosphorylated peptide around Y319 of human ZAP70 (NP_001070.2).
Sequence:	SPYSD
Isotype:	lgG
Cross-Reactivity:	Human
Characteristics:	Phosphorylated Antibodies
Target Details	
Target:	ZAP70

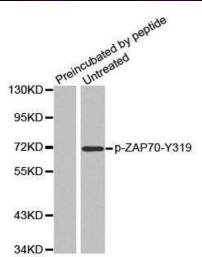
Target.	ZAP70
Alternative Name:	ZAP70 (ZAP70 Products)

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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.,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,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200,IP,1:50 - 1:100
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.







Immunoprecipitation

Image 1. Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-Z-Y319 pAb (ABIN3023645, ABIN3023646, ABIN3023647, ABIN1682143 and ABIN1682144). Western blot was performed from the immunoprecipitate using Phospho-Z-Y319 pAb (ABIN3023645, ABIN3023646, ABIN3023647, ABIN1682143 and ABIN1682144) at a dilition of 1:1000. Jurkat cells were treated by Hydrogen Peroxide (2 mM) at 37 °C for 2 minutes after serum-starvation overnight.

Immunofluorescence

Image 2.

Western Blotting

Image 3. Western blot analysis of extracts from Jurkat cells, using phospho-ZAP70-Y319 antibody.

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