



## ZAP-70 (phospho Tyr315) Polyclonal Antibody

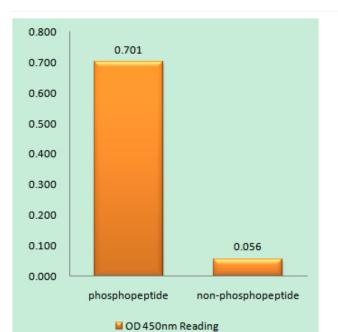
Catalog No	BYab-14456		
Isotype	lgG		
Reactivity	Human;Mouse		
Applications	WB;IHC;IF;ELISA		
Gene Name	ZAP70		
Protein Name	Tyrosine-protein kinase ZAP-70		
Immunogen	The antiserum was produced against synthesized peptide derived from human ZAP-70 around the phosphorylation site of Tyr315. AA range:281-330		
Specificity	Phospho-ZAP-70 (Y315) Polyclonal Antibody detects endogenous levels of ZAP-70 protein only when phosphorylated at Y315.		
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.		
Source	Polyclonal, Rabbit,IgG		
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.		
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200		
Concentration	1 mg/ml		
Purity	≥90%		
Storage Stability	-20°C/1 year		
Synonyms	ZAP70; SRK; Tyrosine-protein kinase ZAP-70; 70 kDa zeta-chain associated protein; Syk-related tyrosine kinase		
Observed Band	60kD		
Cell Pathway	Cytoplasm . Cell membrane ; Peripheral membrane protein . In quiescent T-lymphocytes, it is cytoplasmic. Upon TCR activation, it is recruited at the plasma membrane by interacting with CD247/CD3Z. Colocalizes together with RHOH in the immunological synapse. RHOH is required for its proper localization to the cell membrane and cytoskeleton fractions in the thymocytes (By similarity).		
Tissue Specificity	Expressed in T- and natural killer cells. Also present in early thymocytes and pro/pre B-cells.		
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,disease:Defects in ZAP70 are the cause of selective T-cell defect (STD) [MIM:176947]. STD is an autosomal recessive form of severe combined immunodeficiency characterized by a selective absence of CD8-type T-cells.,domain:The SH2 domain binds to the phosphorylated tyrosine-based activation motif (TAM) of CD3Z.,function:Plays a role in T-cell development and lymphocyte activation. Essential for TCR-mediated IL-2 production. Isoform 1		
	Nanjing BYabscience technology Co.,Ltd		

## Nanjing BYabscience technology Co.,Ltd

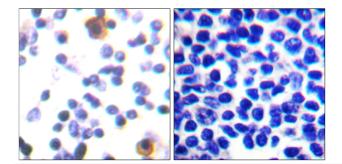
网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

<b>博研生物</b> BYabscience	国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询
	induces TCR-mediated signal transduction, isoform 2 does not.,online information:ZAP70 mutation db,PTM:Phosphorylated on tyrosine residues upon T-cell antigen receptor (TCR) stimulation. Tyr-319 phosphorylation is essential for full activity.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SYK/ZAP-70 subfamily.,similarity:Contains 1 prote
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. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using ZAP-70 (Phospho-Tyr315) Antibody



Immunohistochemistry analysis of paraffin-embedded human lymph node, using ZAP-70 (Phospho-Tyr315) Antibody. The picture on the right is blocked with the phospho peptide.

## Nanjing BYabscience technology Co.,Ltd

官方热线: 025-5229-8998



r=1=1, × 国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务, 欢迎咨询

1996 - C.
- XISL Y € 6
Service of the

		El 167693
	117	Western blot analysis of lysates from Jurkat cells treated with Ca+ 40nM 30', using ZAP-70
ZAP-70	85	(Phospho-Tyr315) Antibody. The lane on the right is blocked with the phospho peptide.
(pTyr315)	48	
	34	
	26	
	19 (kD)	

Nanjing BYabscience technology Co.,Ltd