

For Research Use Only

# ZAP70 Polyclonal antibody

Catalog Number: 15592-1-AP

Featured Product

1 Publications



## Basic Information

### Catalog Number:

15592-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7943

### GenBank Accession Number:

BC039039

### GeneID (NCBI):

7535

### ENSEMBL Gene ID:

ENSG00000115085

### UNIPROT ID:

P43403

### Full Name:

zeta-chain (TCR) associated protein kinase 70kDa

### Calculated MW:

70 kDa

### Observed MW:

70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:20000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB: Jurkat cells, A375 cells

IP: Jurkat cells,

IHC: human tonsillitis tissue, human kidney tissue, human lymphoma tissue, human testis tissue

## Background Information

Zeta-associated protein (ZAP)-70, a member of the Syk family of tyrosine kinases, plays an important role in T-cell receptor signaling, natural killer (NK) cell activation and early B-cell development. ZAP-70 is expressed in a subset of cases of chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL) with unmutated immunoglobulin heavy-chain variable region (IgVH) genes and is associated with poor clinical outcome.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiaqi Zheng	38484791	J Immunol Methods	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

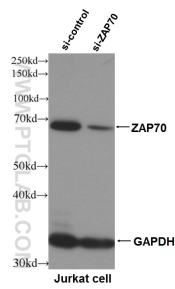
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

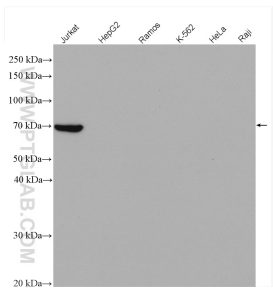
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



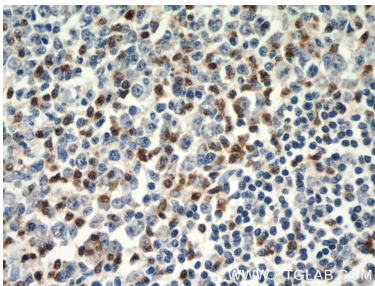
WB result of ZAP70 antibody (15592-1-AP, 1:20000) with si-control and si-ZAP70 transfected Jurkat cells.



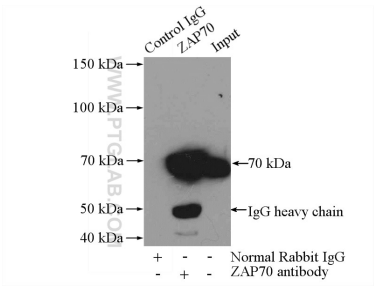
Jurkat cells were subjected to SDS PAGE followed by western blot with 15592-1-AP (ZAP70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis using 15592-1-AP (ZAP70 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis using 15592-1-AP (ZAP70 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-ZAP70 (IP:15592-1-AP, 4ug; Detection:15592-1-AP 1:1000) with Jurkat cells lysate 3200ug.



Immunofluorescent analysis of (4% PFA) fixed RAW 264.7 cells using ZAP70 antibody (15592-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).