

For Research Use Only

# ZAP70 Monoclonal antibody

Catalog Number: 60200-1-Ig

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 60200-1-Ig	<b>GenBank Accession Number:</b> BC039039	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1700 ug/ml	<b>GeneID (NCBI):</b> 7535	<b>CloneNo.:</b> 1A11G9
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000115085	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:250-1:1000 IF-P 1:200-1:800
<b>Isotype:</b> IgG2a	<b>UNIPROT ID:</b> P43403	
<b>Immunogen Catalog Number:</b> AG7943	<b>Full Name:</b> zeta-chain (TCR) associated protein kinase 70kDa	
	<b>Calculated MW:</b> 70 kDa	
	<b>Observed MW:</b> 70 kDa	

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, pig

### Cited Species:

human, mouse

**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, pig spleen tissue, pig thymus tissue

IHC : human lymphoma tissue, human tonsillitis tissue

IF-P : human tonsillitis 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
Junfan Wang	39186873	Cell Immunol	WB
Yuman Wang	37925509	Nat Commun	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

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

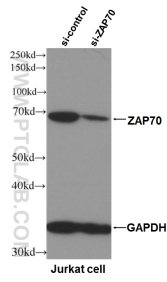
T: 4006900926

E: Proteintech-CN@ptglab.com

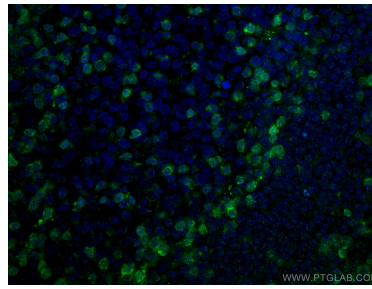
W: ptgcn.com

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

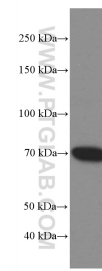
## Selected Validation Data



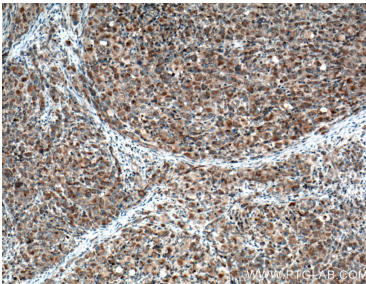
WB result of ZAP70 antibody (60200-1-Ig, 1:10000) with si-control and si-ZAP70 transfected Jurkat cells..



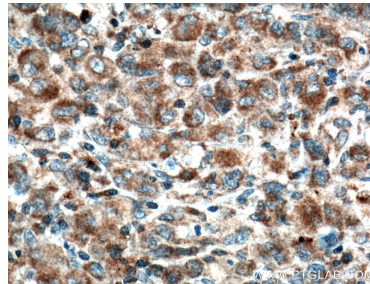
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 60200-1-Ig (ZAP70 antibody), at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Jurkat cells were subjected to SDS PAGE followed by western blot with 60200-1-Ig (ZAP70 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60200-1-Ig (ZAP70 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 60200-1-Ig (ZAP70 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60200-1-Ig (ZAP70 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).