

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

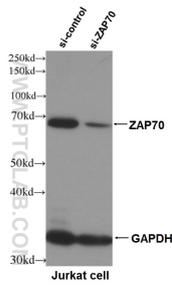
For technical support and original validation data for this product please contact:

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

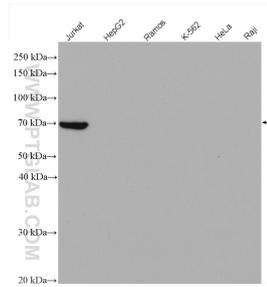
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



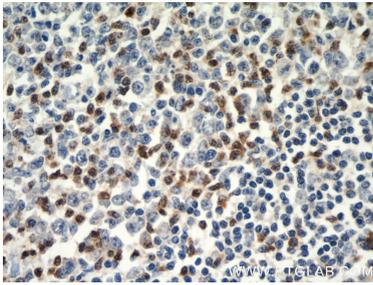
WB result of ZAP70 antibody (15592-1-AP, 1:20000) with si-control and si-ZAP70 transfected Jurkat cells.



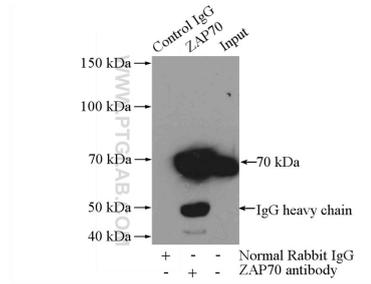
Jurkat cells were subjected to SDS PAGE followed by western blot with 15592-1-AP (ZAP70 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).