

For Research Use Only

ZAP70 Monoclonal antibody

Catalog Number: 60200-1-Ig

Featured Product

1 Publications



Basic Information

| | | |
|--|---|---|
| Catalog Number: 60200-1-Ig | GenBank Accession Number: BC039039 | Purification Method: Protein A purification |
| Size: 150ul , Concentration: 3100 µg/ml by Nanodrop and 1367 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 7535 | CloneNo.: 1A11G9 |
| Source: Mouse | Full Name: zeta-chain (TCR) associated protein kinase 70kDa | Recommended Dilutions: WB 1:1000-1:5000 IHC 1:250-1:1000 IF 1:200-1:800 |
| Isotype: IgG2a | Calculated MW: 70 kDa | |
| Immunogen Catalog Number: AG7943 | Observed MW: 70 kDa | |

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, pig

Cited Species:

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 : 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 |
|------------|-----------|------------|-------------|
| 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

*** 20ul sizes contain 0.1% BSA

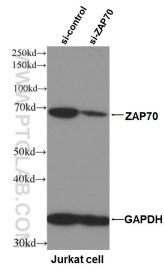
For technical support and original validation data for this product please contact:

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

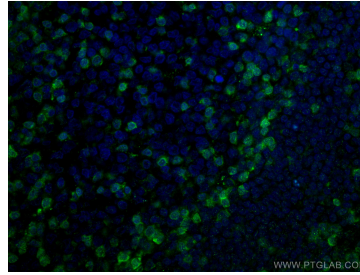
E: proteintech@ptglab.com
W: ptglab.com

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

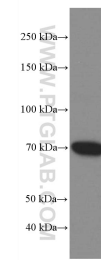
Selected Validation Data



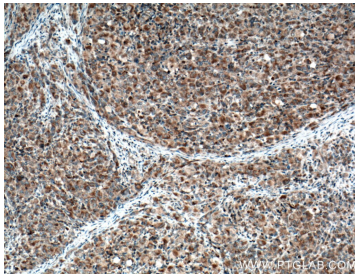
WB result of ZAP70 antibody (60200-1-Ig, 1:10000) with si-control and si-ZAP70 transfected Jurkat cells..



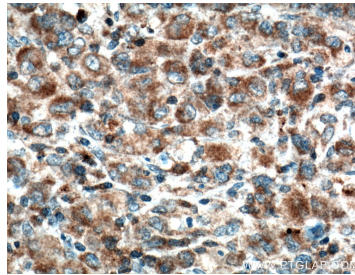
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 60200-1-Ig (ZAP70 antibody), at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



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).