For Research Use Only

ZAP70 Monoclonal antibody

Catalog Number:60200-1-Ig Featured Product 2 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
60200-1-Ig

Size:
150ul , Concentration: 3100 µg/ml by Nanodrop and 1367 µg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

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:
Protein A purification

CloneNo.:
1A11G9

Recommended Dilutions:
WB 1:1000-1:5000
IHC 1:250-1:1000
IF-P 1:200-1:800

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

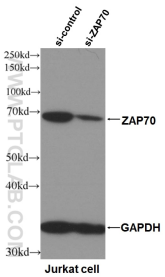
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

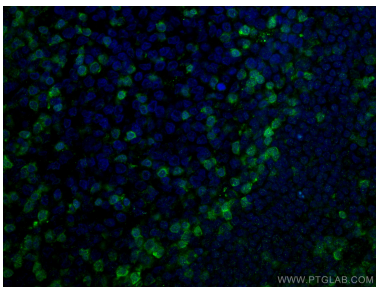
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

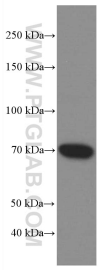
Selected Validation Data



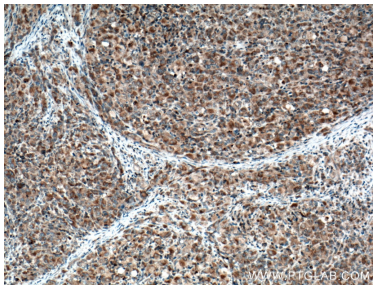
WB result of ZAP70 antibody (60200-1-Ig, 1:10000) with si-control and si-ZAP70 transfected Jurkat cells..



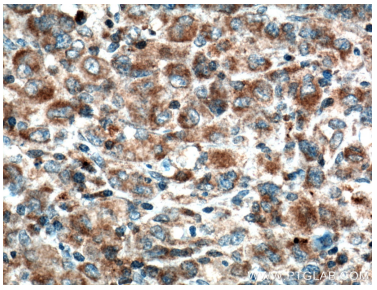
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 60200-1-Ig (ZAP70 antibody), at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



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).