

# IKZF1 Monoclonal antibody

Catalog Number: 66966-1-Ig

Featured Product

3 Publications

## Basic Information

Catalog Number:

66966-1-Ig

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28637

GenBank Accession Number:

BC018349

GeneID (NCBI):

10320

UNIPROT ID:

Q13422

Full Name:

IKAROS family zinc finger 1 (Ikaros)

Calculated MW:

477 aa, 53 kDa

Observed MW:

55-65 kDa

Purification Method:

Protein G purification

CloneNo.:

1D6B5

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, ColP

Species Specificity:

human, mouse, pig, rabbit

Cited Species:

human

Positive Controls:

WB : Raji cells, Jurkat cells, MOLT-4 cells, pig thymus tissue, rabbit spleen tissue, Ramos cells, Daudi cells, Sp2/0 cells

## Background Information

IKZF1, also known as DNA-binding protein Ikaros, belongs to the Ikaros C2H2-type zinc-finger protein family. The N-terminal zinc-fingers 2 and 3 are required for DNA binding as well as for targeting IKZF1 to pericentromeric heterochromatin. The C-terminal zinc-finger domain is required for dimerization. IKZF1 is abundantly expressed in thymus, spleen and peripheral blood leukocytes and lymph nodes. IKZF1 is localized in nucleus. IKZF1 as a transcription regulator of hematopoietic cell differentiation binds gamma-satellite DNA and plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. IKZF1 is a repressor of the TDT (terminal deoxynucleotidyltransferase) gene during thymocyte differentiation. IKZF1 exists some isoforms with MW 58KDa, 48KDa, 48KDa, 43KDa, 41KDa, 32KDa and 53KDa, respectively.

## Notable Publications

Author	Pubmed ID	Journal	Application
Elanora Dovat	33467550	Int J Mol Sci	WB
Haiyan Zhang	39500904	Nat Commun	ColP
Ziwei Luo	39437162	Cancer Res	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

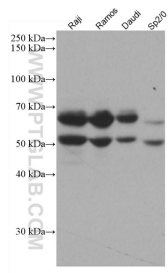
For technical support and original validation data for this product please contact:

T: 4006900926

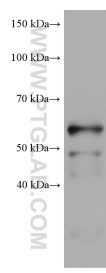
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

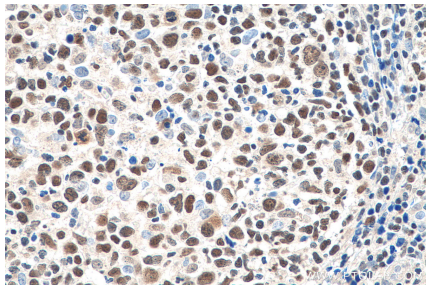
Selected Validation Data



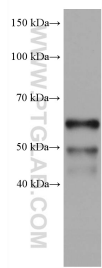
Various lysates were subjected to SDS PAGE followed by western blot with 66966-1-Ig (IKZF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



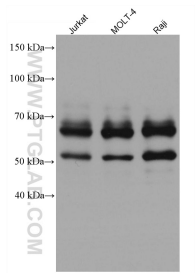
rabbit spleen tissue were subjected to SDS PAGE followed by western blot with 66966-1-Ig (IKZF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



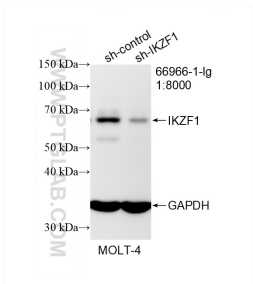
Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 66966-1-Ig (IKZF1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



pig thymus tissue were subjected to SDS PAGE followed by western blot with 66966-1-Ig (IKZF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66966-1-Ig (IKZF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of IKZF1 antibody (66966-1-Ig; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IKZF1 transfected MOLT-4 cells.