

For Research Use Only

# IKZF1 Polyclonal antibody

Catalog Number: 12016-1-AP **7 Publications**



## Basic Information

<b>Catalog Number:</b> 12016-1-AP	<b>GenBank Accession Number:</b> BC018349	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 10320	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13422	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Isotype:</b> IgG	<b>Full Name:</b> IKAROS family zinc finger 1 (Ikaros)	IHC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG2631	<b>Calculated MW:</b> 477 aa, 53 kDa	
	<b>Observed MW:</b> 50-70 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HepG2 cells
<b>Cited Applications:</b> WB, IHC, CoIP	IP : HeLa cells,
<b>Species Specificity:</b> human	IHC : human lymphoma tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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 (fizzterminal deoxynucleotidyltransferase) gene during thymocyte differentiation. IKZF1 exists some isoforms with 50-70 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Konstantinos Dimopoulos	29718735	Leuk Lymphoma	IHC
Morgann Klink	33807974	Cancers (Basel)	WB
Yan Sun	28698179	Circ Res	CoIP

## 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:

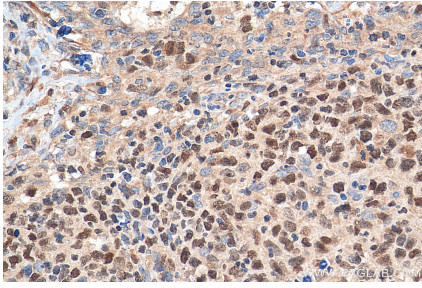
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

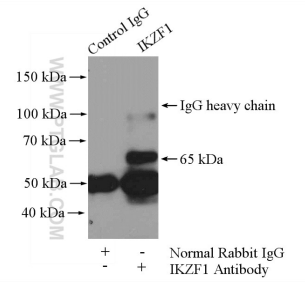
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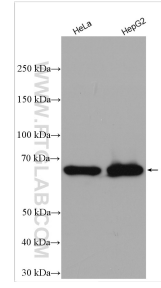
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lymphoma tissue slide using 12016-1-AP (IKZF1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-IKZF1 (IP:12016-1-AP, 4ug; Detection:12016-1-AP 1:500) with HeLa cells lysate 1200ug.



HeLa cells were subjected to SDS PAGE followed by western blot with 12016-1-AP (IKZF1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.