

For Research Use Only

IKZF1 Polyclonal antibody

Catalog Number: 12016-1-AP

8 Publications



Basic Information

Catalog Number:

12016-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2631

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:

50-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IP, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, HepG2 cells

IP : HeLa cells,

IHC : human lymphoma tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

*** 20ul sizes contain 0.1% BSA

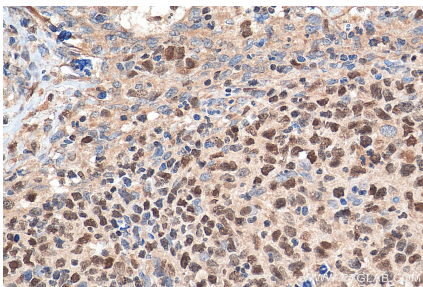
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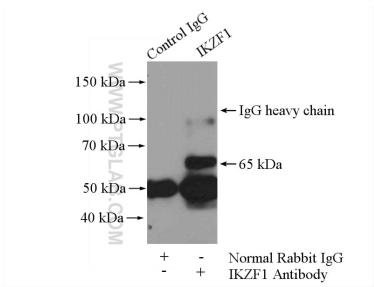
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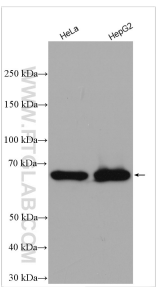
Selected Validation Data



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.