

For Research Use Only

Aiolos/IKZF3 Polyclonal antibody

Catalog Number: 19055-1-AP

5 Publications



Basic Information

Catalog Number: 19055-1-AP	GenBank Accession Number: BC032707	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 22806	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9UKT9	IHC 1:20-1:200
Isotype: IgG	Full Name: IKAROS family zinc finger 3 (Aiolos)	IF/ICC 1:10-1:100
Immunogen Catalog Number: AG5537	Calculated MW: 509 aa, 58 kDa	
	Observed MW: 58-70 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : HepG2 cells, Jurkat cells
Cited Applications: WB, IHC, IF	IHC : human spleen tissue,
Species Specificity: human	IF/ICC : HepG2 cells,
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

Background Information

IKZF3, also named as Zinc finger protein Aiolos or ZNFN1A3, is a 509 amino acid protein, which contains 6 C2H2-type zinc fingers and belongs to the Ikaros C2H2-type zinc-finger protein family. IKZF3 localizes in the nucleus and cytoplasm. IKZF3 can form homodimer, and heterodimer with other IKAROS family members. IKZF3 is expressed most strongly in peripheral blood leukocytes, the spleen, and the thymus. IKZF3 as a transcription factor plays an important role in the regulation of lymphocyte differentiation. The calculated molecular weight of IKZF3 is 58 kDa, but the modified IKZF3 protein is about 65-70 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Daisuke Harama	34117218	Cell Death Discov	WB
Jung-Jyh Hung	30816208	Sci Rep	WB,IHC
Ziwei Luo	39437162	Cancer Res	WB

Storage

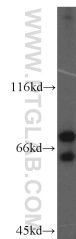
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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

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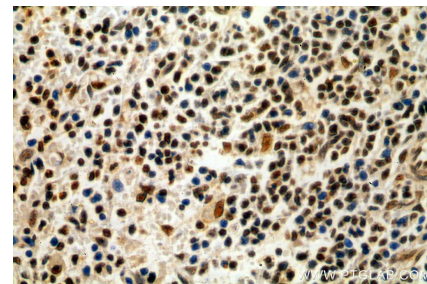
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 19055-1-AP (IKZF3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen using 19055-1-AP (IKZF3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 19055-1-AP (IKZF3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using IKZF3 antibody 19055-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).