

For Research Use Only

HELIOS Polyclonal antibody

Catalog Number: 13554-1-AP **1 Publications**



Basic Information

Catalog Number: 13554-1-AP	GenBank Accession Number: BC028936	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 22807	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9UKS7	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: IKAROS family zinc finger 2 (Helios)	IHC 1:20-1:200
Immunogen Catalog Number: AG4357	Calculated MW: 500 aa, 57 kDa	IF 1:50-1:500
	Observed MW: 65 kDa	

Applications

Tested Applications: IF/ICC, IHC, IP, WB, ELISA	Positive Controls: WB : Jurkat cells, human placenta tissue
Cited Applications: IF	IP : Jurkat cells,
Species Specificity: human, mouse, rat	IHC : human lymphoma tissue,
Cited Species: mouse	IF : HeLa cells,

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

Ikaros DNA-binding proteins, characterized by two highly conserved zinc finger domains that mediate DNA (N-terminal domain) and protein binding (C-terminal domain), consists of 5 members and one of them is IKZF2 [PMID:1439790]. IKZF2's expression is associated with T cell activation and cellular division and is suggested a suitable marker to distinguish natural and induced Treg (PMID:21918685).

Notable Publications

Author	Pubmed ID	Journal	Application
Bonnie Yen	29707696	Immunohorizons	IF

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:

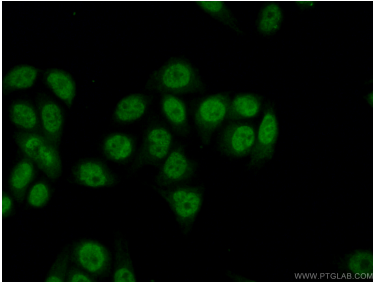
T: 4006900926

E: Proteintech-CN@ptglab.com

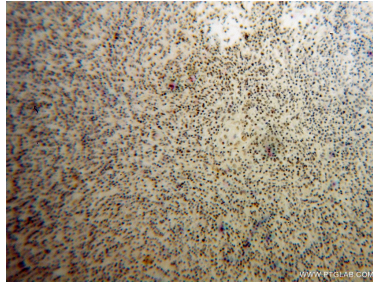
W: ptgcn.com

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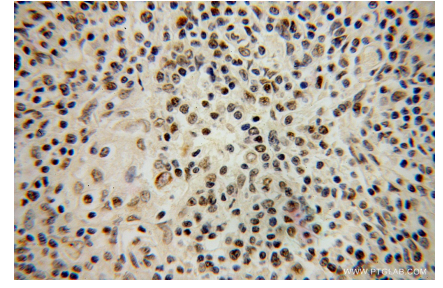
Selected Validation Data



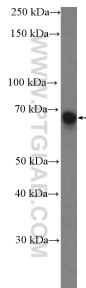
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13554-1-AP (HELIOS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



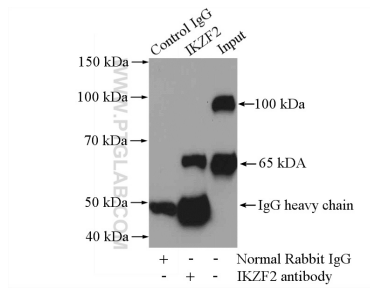
Immunohistochemical analysis of paraffin-embedded human lymphoma using 13554-1-AP (HELIOS antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lymphoma using 13554-1-AP (IKZF2 antibody) at dilution of 1:100 (under 40x lens).



Jurkat cells were subjected to SDS PAGE followed by western blot with 13554-1-AP (HELIOS Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-HELIOS (IP:13554-1-AP, 4ug; Detection:13554-1-AP 1:300) with Jurkat cells lysate 2400ug.