

For Research Use Only

# HELIOS Polyclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 13554-1-AP	<b>GenBank Accession Number:</b> BC028936	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22807	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> IKAROS family zinc finger 2 (Helios)	<b>IHC 1:20-1:200</b> <b>IF 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 500 aa, 57 kDa	
<b>Immunogen Catalog Number:</b> AG4357	<b>Observed MW:</b> 65 kDa	

## Applications

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

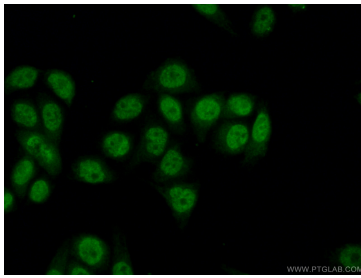
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

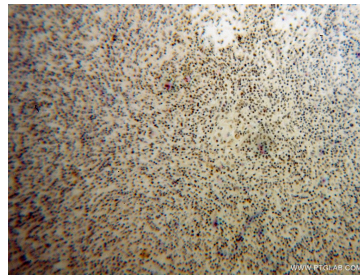
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

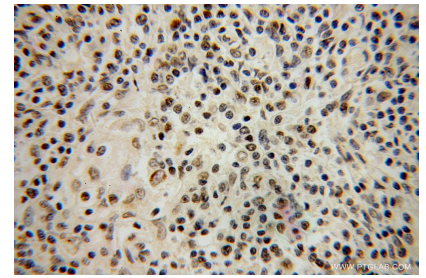
## Selected Validation Data



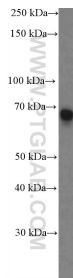
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13554-1-AP (HELIOS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



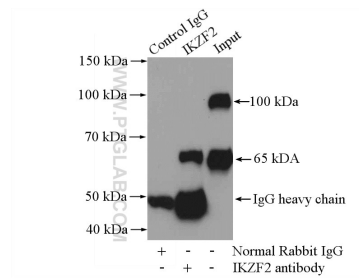
Immunohistochemical analysis of paraffin-embedded human lymphoma using 13554-1-AP (HELIOS antibody) at dilution of 1:100 (under 10x lens).



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.