

For Research Use Only

HELIOS Polyclonal antibody

Catalog Number: 13554-1-AP

1 Publications



Basic Information

Catalog Number:

13554-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4357

GenBank Accession Number:

BC028936

GeneID (NCBI):

22807

UNIPROT ID:

Q9UKS7

Full Name:

IKAROS family zinc finger 2 (Helios)

Calculated MW:

500 aa, 57 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

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

Positive Controls:

WB : Jurkat cells, human placenta tissue

IP : Jurkat cells,

IHC : human lymphoma tissue,

IF/ICC : HeLa cells,

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

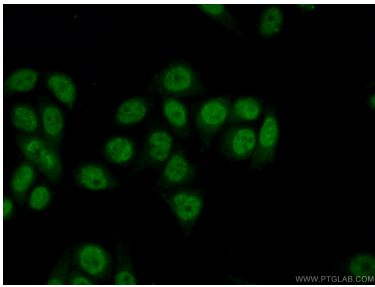
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

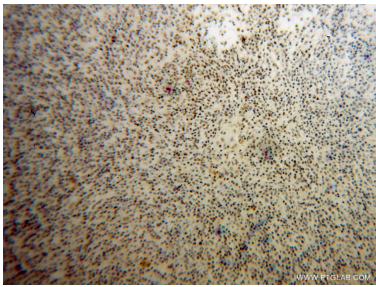
E: proteintech@ptglab.com
W: ptglab.com

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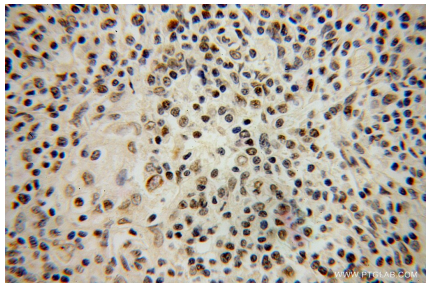
Selected Validation Data



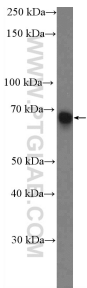
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 13554-1-AP (HELIOS antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



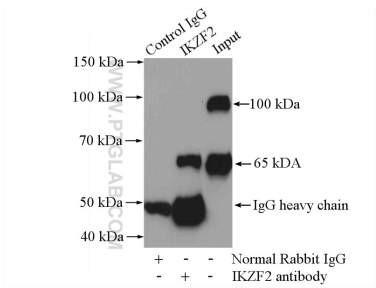
Immunohistochemical analysis of paraffin-embedded human lymphoma using 13554-1-AP (HELIOS antibody) at dilution of 1:100 (under 10x lens).



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.