

For Research Use Only

# IKZF4 Recombinant antibody

Catalog Number: 83471-5-RR



## Basic Information

<b>Catalog Number:</b> 83471-5-RR	<b>GenBank Accession Number:</b> BC160169	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 64375	<b>CloneNo.:</b> 240357D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H2S9	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> IKAROS family zinc finger 4 (Eos)	
<b>Immunogen Catalog Number:</b> AG34767	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> WB : Raji cells, K-562 cells, HepG2 cells
<b>Species Specificity:</b> human	<b>IF/ICC :</b> U2OS cells,

## Background Information

IKZF4 is a member of the Ikaros family transcription factors. The Ikaros family was originally designated to function in hematopoiesis, but it is only recently that studies have begun to show the relevance of this family in T helper cell differentiation. IKZF3 was preferentially expressed in TH17 cells and governs TH17 differentiation by silencing IL-2 expression. By investigating the dynamics of the TH17 regulatory network, IKZF4 was proposed by Yosef et al. as a composite in the negative regulatory module for TH17. (PMID: 24644282)

## 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:

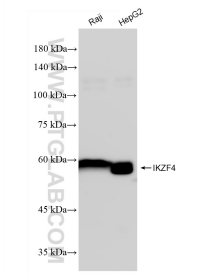
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

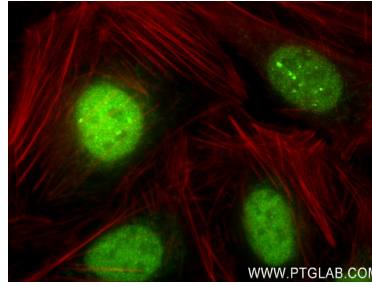
W: [ptgcn.com](http://ptgcn.com)

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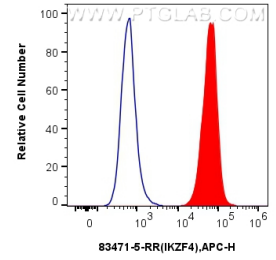
## Selected Validation Data



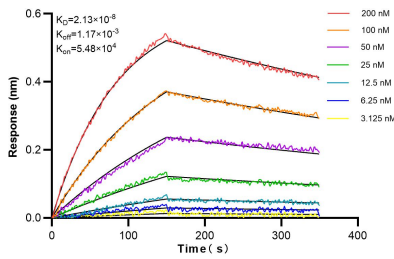
Various lysates were subjected to SDS PAGE followed by western blot with 83471-5-RR (IKZF4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using IKZF4 antibody (83471-5-RR, Clone: 240357D5) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



$1 \times 10^6$  U2OS cells were intracellularly stained with 0.25 ug IKZF4 Recombinant antibody (83471-5-RR, Clone:240357D5) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Bi-layer interferometry (BLI) kinetic assays of 83471-5-RR against Human IKZF4 were performed. The affinity constant is 21.3 nM.