

# Ikaros (C-terminus) Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52711

## Product Information

Application	WB, IP
Primary Accession	<a href="#">Q13422</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	57528

## Additional Information

Gene ID	10320
Other Names	CLL associated antigen KW 6;DNA-binding protein Ikaros;hIk1;hIk-1;Hs.54452;IK1;Ikaros (zinc finger protein);IKAROS;IKAROS family zinc finger 1 (Ikaros);Ikaros family zinc finger protein 1;Ikzf1;IKZF1_HUMAN;LYF1;Lymphoid transcription factor LyF-1;PRO0758;Zinc finger protein subfamily 1A 1 (Ikaros);zinc finger protein subfamily 1A 1;Zinc finger protein, subfamily 1A, member 1;ZNFN1A1.
Dilution	WB~~1:1000 IP~~0.388888888888889
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

Name	IKZF1
Synonyms	IK1, IKAROS, LYF1, ZNFN1A1
Function	Transcription regulator of hematopoietic cell differentiation (PubMed: <a href="#">17934067</a> ). Binds gamma-satellite DNA (PubMed: <a href="#">17135265</a> , PubMed: <a href="#">19141594</a> ). Plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Repressor of the TDT (fikzfterminal deoxynucleotidyltransferase) gene during thymocyte differentiation. Regulates transcription through association with both HDAC-dependent and HDAC-independent complexes. Targets the 2 chromatin-remodeling complexes, NuRD and BAF (SWI/SNF), in a single complex (PYR complex), to the beta-globin locus in adult erythrocytes.

Increases normal apoptosis in adult erythroid cells. Confers early temporal competence to retinal progenitor cells (RPCs) (By similarity). Function is isoform-specific and is modulated by dominant-negative inactive isoforms (PubMed:[17135265](#), PubMed:[17934067](#)).

#### Cellular Location

Nucleus. Note=In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events. [Isoform Ik6]: Cytoplasm.

#### Tissue Location

Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

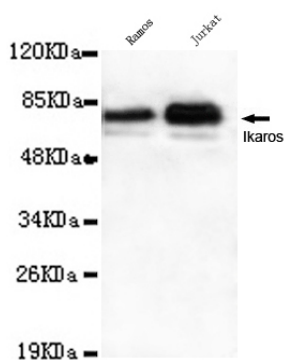
## Background

Transcription regulator of hematopoietic cell differentiation. Binds gamma-satellite DNA. Binds with higher affinity to gamma satellite A. Plays a role in the development of lymphocytes, B- and T-cells. Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Repressor of the TDT (terminal deoxynucleotidyltransferase) gene during thymocyte differentiation. Regulates transcription through association with both HDAC-dependent and HDAC-independent complexes. Targets the 2 chromatin-remodeling complexes, NuRD and BAF (SWI/SNF), in a single complex (PYR complex), to the beta-globin locus in adult erythrocytes. Increases normal apoptosis in adult erythroid cells. Confers early temporal competence to retinal progenitor cells (RPCs) (By similarity).

## References

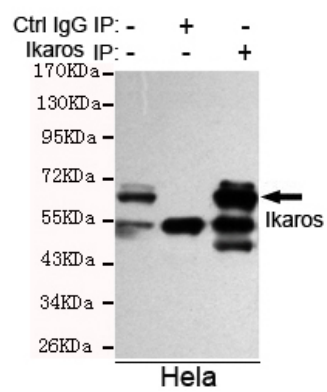
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Sanchez-Tapia E.M.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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## Images



Western blot detection of Ikaros(C-terminus) in Ramos and Jurkat cell lysates using Ikaros(C-terminus) mouse mAb (1:1000 diluted).Predicted band size: 58KDa.Observed band size: 58KDa.

Immunoprecipitation analysis of Hela cell lysate using Ikaros (C-terminus) mouse mAb.



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