

**Ikaros (C-terminus) Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52711****Specification**

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**Ikaros (C-terminus) Antibody - Product Information**

Application	<b>IP, WB</b>
Primary Accession	<a href="#">O13422</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG1</b>
Calculated MW	<b>58 KDa</b>

**Ikaros (C-terminus) Antibody - Additional Information****Gene ID** 10320**Other Names**

CLL associated antigen KW 6;DNA-binding protein Ikaros;hIk 1;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**

IP~~0.388889

WB~~1:1000

**Format**

Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**Ikaros (C-terminus) Antibody - Protein Information****Name** IKZF1**Synonyms** IK1, IKAROS, LYF1, ZNFN1A1**Function**

Transcription regulator of hematopoietic cell differentiation (PubMed:<a href="http://www.uniprot.org/citations/17934067" target="\_blank">17934067</a>). Binds gamma-satellite DNA (PubMed:<a href="http://www.uniprot.org/citations/17135265" target="\_blank">17135265</a>, PubMed:<a href="http://www.uniprot.org/citations/19141594" target="\_blank">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:<a href="http://www.uniprot.org/citations/17135265" target="\_blank">17135265</a>, PubMed:<a href="http://www.uniprot.org/citations/17934067" target="\_blank">17934067</a>).

#### 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

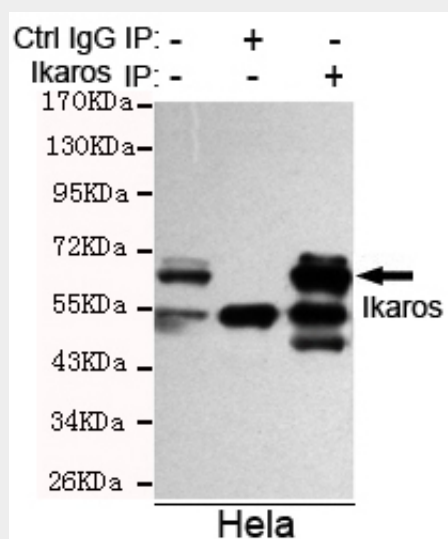
Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

### Ikaros (C-terminus) Antibody - Protocols

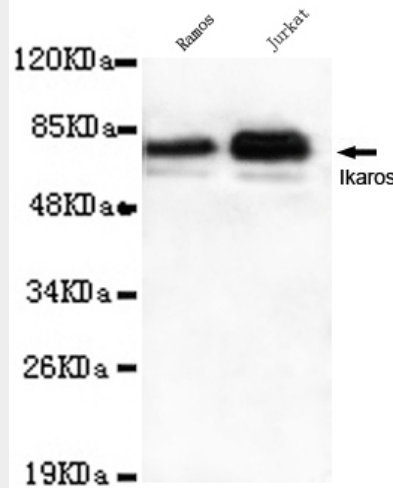
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Ikaros (C-terminus) Antibody - Images



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



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.

#### **Ikaros (C-terminus) Antibody - 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).

#### **Ikaros (C-terminus) Antibody - References**

- Nietfeld W., et al. Immunol. Lett. 49:139-141(1996).
- Molnar A., et al. J. Immunol. 156:585-592(1996).
- 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).
- Kalnina N., et al. Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases.