

**Ikaros Antibody**  
Rabbit mAb  
Catalog # AP91761

## Specification

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### Ikaros Antibody - Product Information

Application	WB, IHC, FC
Primary Accession	<a href="#">Q13422</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
hIk 1; IK1; IKAROS; Ikzf1; LYF1; ZNFN1A1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	57528 Da

### Ikaros Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Ikaros
Description	Transcription regulator of hematopoietic cell differentiation (PubMed:17934067). Binds gamma-satellite DNA (PubMed:17135265, PubMed:19141594). Plays a role in the development of lymphocytes, B- and T-cells.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### Ikaros 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

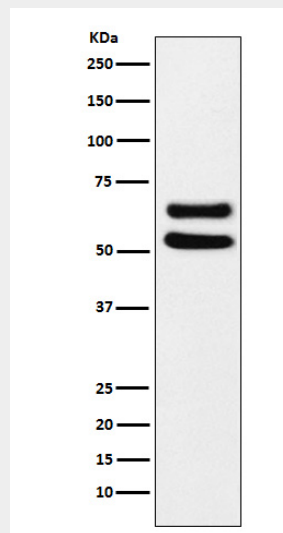
Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

### Ikaros 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 Antibody - Images



Western blot analysis of Ikaros expression in MOLT4 cell lysate.