

**Anti-Ikaros Monoclonal Antibody**  
Catalog # ABO14648

**Specification**

**Anti-Ikaros Monoclonal Antibody - Product Information**

Application	WB, IHC, FC
Primary Accession	<a href="#">Q13422</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Ikaros Monoclonal Antibody . Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Ikaros Monoclonal Antibody - Additional Information**

**Gene ID** 10320

**Other Names**

DNA-binding protein Ikaros, Ikaros family zinc finger protein 1, Lymphoid transcription factor LyF-1, IKZF1, IK1, IKAROS, LYF1, ZNFN1A1

**Application Details**

WB 1:1000-1:5000<br>IHC 1:100-1:500<br>FC 1:60

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Ikaros 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.

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Ikaros Monoclonal 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 (fikzftterminal 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

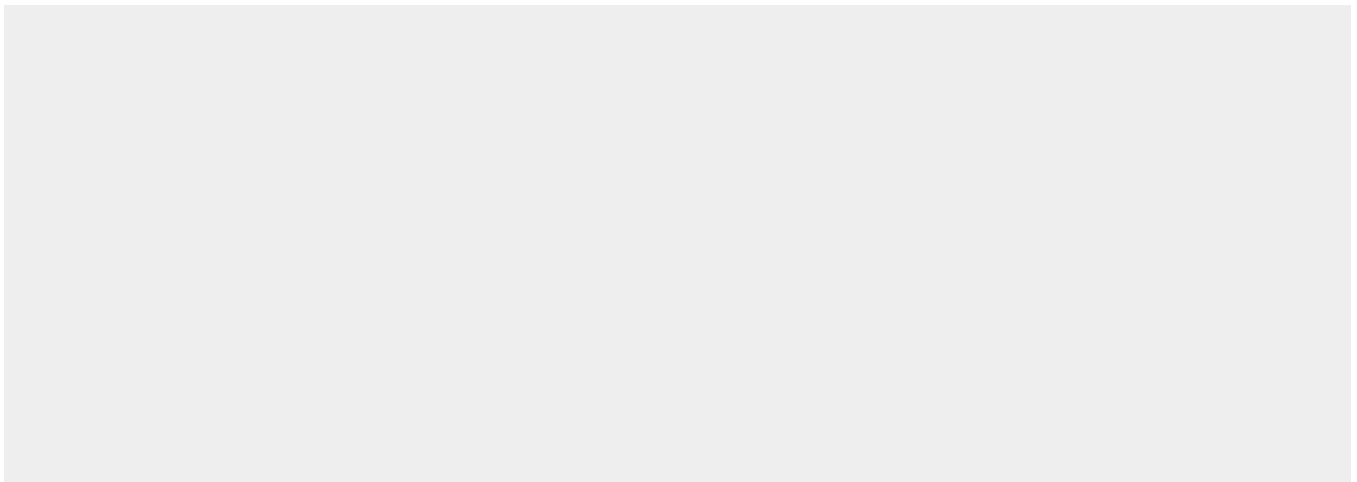
Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

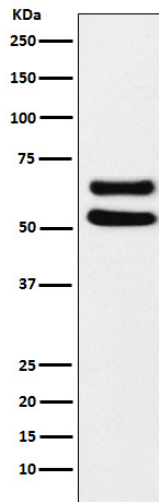
## Anti-Ikaros Monoclonal Antibody - Protocols

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](#)

## Anti-Ikaros Monoclonal Antibody - Images





Western blot analysis of Ikaros expression in MOLT4 cell lysate.