

**IKAROS / IKZF1 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3053a

**Specification**

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**IKAROS / IKZF1 Antibody (internal region) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O13422</a>
Other Accession	<a href="#">NP_006051.1</a> , <a href="#">10320</a>
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	57528

**IKAROS / IKZF1 Antibody (internal region) - 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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IKAROS / IKZF1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**IKAROS / IKZF1 Antibody (internal region) - Protein Information**

**Name** IKZF1

**Synonyms** IK1, IKAROS, LYF1, ZNFN1A1

**Function**

Transcription regulator of hematopoietic cell differentiation (PubMed: [17934067](http://www.uniprot.org/citations/17934067)). Binds gamma-satellite DNA (PubMed: [17135265](http://www.uniprot.org/citations/17135265)), PubMed: [19141594](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 / IKZF1 Antibody (internal region) - Protocols

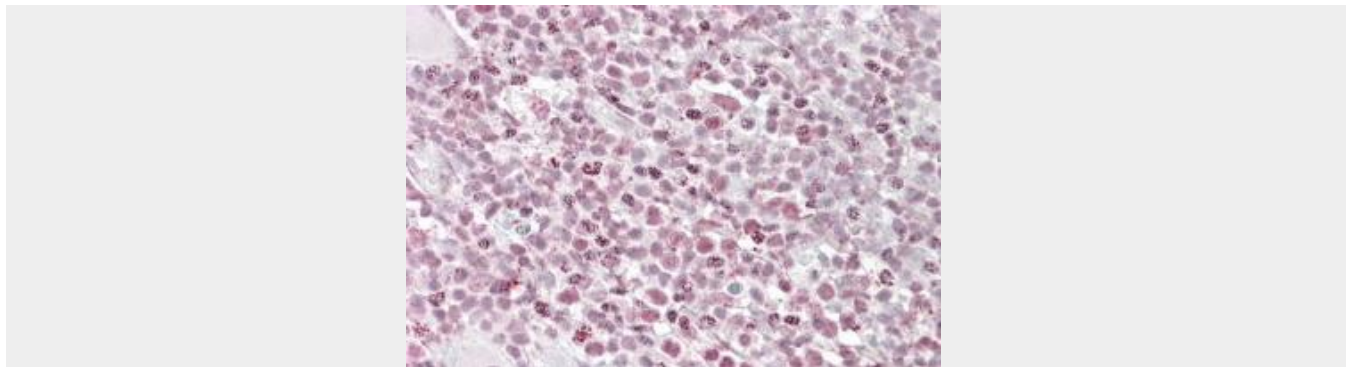
Provided below are standard protocols that you may find useful for product applications.

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

### IKAROS / IKZF1 Antibody (internal region) - Images



AF3053a (1 µg/ml) staining of MOLT4 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF3053a (3.8 µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

#### **IKAROS / IKZF1 Antibody (internal region) - References**

Ikaros modulates cholesterol uptake: a link between tumor suppression and differentiation. Loeper S, Asa SL, Ezzat S, Cancer research 2008 May 68 (10): 3715-23. PMID: 18483254