

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

Specification

IKAROS / IKZF1 Antibody (internal region) - Product Information

Application	WB, IHC
Primary Accession	O13422
Other Accession	NP_006051.1 , 10320
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). 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.

IKAROS / IKZF1 Antibody (internal region) - Protocols

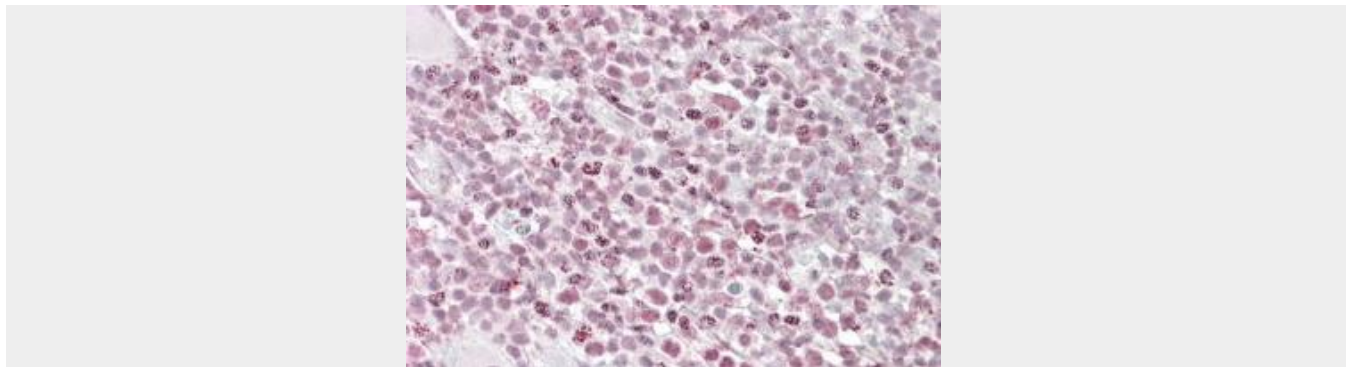
Provided below are standard protocols that you may find useful for product applications.

- [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