

IKZF1 / IKAROS Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS14588**Specification**

IKZF1 / IKAROS Antibody (Internal) - Product Information

Application	WB
Primary Accession	Q13422
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	58kDa KDa

IKZF1 / IKAROS Antibody (Internal) - 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

Target/Specificity

Human IKZF1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

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

IKZF1 / IKAROS Antibody (Internal) - Protein Information**Name** IKZF1**Synonyms** IK1, IKAROS, LYF1, ZNFN1A1**Function**

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. 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.

IKZF1 / IKAROS Antibody (Internal) - 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](#)

IKZF1 / IKAROS Antibody (Internal) - Images



IKZF1 antibody (1 ug/ml) staining of MOLT4 lysate (35 ug protein/ml in RIPA buffer).

IKZF1 / IKAROS Antibody (Internal) - 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).

IKZF1 / IKAROS Antibody (Internal) - References

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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).
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