10320 Camino Santa Fe, Suite G
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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 Cytomety
- 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).

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IKZF1 / IKAROS Antibody (Internal) - References

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Molnar A.,et al.J. Immunol. 156:585-592(1996).
Sanchez-Tapia E.M.,et al.Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
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