

Goat Anti-IKZF1 / IKAROS Antibody
Peptide-affinity purified goat antibody
Catalog # AF1560a

Specification

Goat Anti-IKZF1 / IKAROS Antibody - Product Information

Application	WB
Primary Accession	Q13422
Other Accession	NP_006051 , 10320 , 22778 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	57528

Goat Anti-IKZF1 / IKAROS 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

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, 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

Goat Anti-IKZF1 / IKAROS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-IKZF1 / IKAROS Antibody - Protein Information

Name IKZF1

Synonyms IK1, IKAROS, LYF1, ZNFN1A1

Function

Transcription regulator of hematopoietic cell differentiation (PubMed:17934067). Binds gamma-satellite DNA (PubMed:17135265)

target="_blank">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.

Goat Anti-IKZF1 / IKAROS 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](#)

Goat Anti-IKZF1 / IKAROS Antibody - Images



AF1560a (0.03 µg/ml) staining of MOLT4 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-IKZF1 / IKAROS Antibody - References

TNIP1, SLC15A4, ETS1, RasGRP3 and IKZF1 are associated with clinical features of systemic lupus

erythematosus in a Chinese Han population. He CF, et al. *Lupus*, 2010 Sep. PMID 20516000.

Analysis of Ikaros family splicing variants in human hematopoietic lineages. Matuli? M, et al. *Coll Antropol*, 2010 Mar. PMID 20432734.

Genetic risk factors for hepatopulmonary syndrome in patients with advanced liver disease. Roberts KE, et al. *Gastroenterology*, 2010 Jul. PMID 20346360.

Mismatch repair and the downstream target genes, PAX5 and Ikaros, in childhood acute lymphoblastic leukemia. Best A, et al. *Leuk Res*, 2010 Aug. PMID 20233627.

Rearrangement of CRLF2 is associated with mutation of JAK kinases, alteration of IKZF1, Hispanic/Latino ethnicity, and a poor outcome in pediatric B-progenitor acute lymphoblastic leukemia. Harvey RC, et al. *Blood*, 2010 Jul 1. PMID 20139093.