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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, Cow**
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:<a href="http://www.uniprot.org/citations/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 Cytomety
- 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.