

IKZF1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10018

Product Information

Application	WB
Primary Accession	Q13422
Other Accession	Q13422 , NP_006051 , NM_006060
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57528

Additional Information

Gene ID	10320
Alias Symbol	Hs.54452, IK1, IKAROS, LYF1, PRO0758, ZNFN1A1, hIk-1
Other Names	DNA-binding protein Ikaros, Ikaros family zinc finger protein 1, Lymphoid transcription factor LyF-1, IKZF1, IK1, IKAROS, LYF1, ZNFN1A1
Target/Specificity	IKZF1 binds and activates the enhancer (delta-A element) of the CD3-delta gene. It functions in the specification and the maturation of the T-lymphocyte. It also interacts with a critical control element in the TDT (terminal deoxynucleotidyltransferase) promoter as well as with the promoters for other genes expressed during early stages of B- and T-cell development.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-IKZF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	IKZF1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

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.

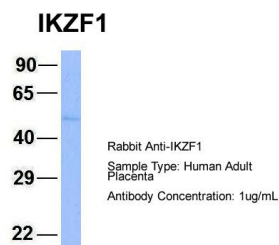
Tissue Location

Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

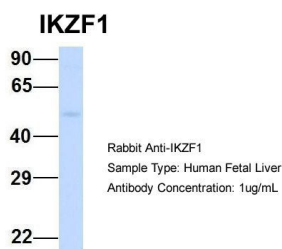
Background

This is a rabbit polyclonal antibody against IKZF1. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

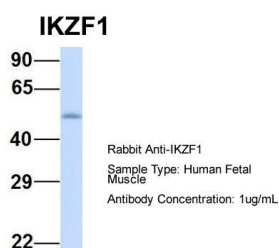
Images



IKZF1 antibody - middle region (AI10018) in Hum. Adult Placenta cells using Western Blot
Host: Rabbit
Target Name: CHAD
Sample Tissue: Human Adult Placenta
Antibody Dilution: 1.0 µg/ml



IKZF1 antibody - middle region (AI10018) in Hum. Fetal Liver cells using Western Blot
Host: Rabbit
Target Name: IKZF1
Sample Tissue: Human Fetal Liver
Antibody Dilution: 1.0 µg/ml



IKZF1 antibody - middle region (AI10018) in Hum. Fetal Muscle cells using Western Blot
Host: Rabbit
Target Name: IKZF1
Sample Tissue: Human Fetal Muscle
Antibody Dilution: 1.0 µg/ml



IKZF1 antibody - middle region (AI10018) in Human HeLa cells using Western Blot

WB Suggested Anti-IKZF1 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:312500

Positive Control: Hela cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.