

# IKZF1 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10018

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q13422</a>
<b>Other Accession</b>	<a href="#">Q13422</a> , <a href="#">NP_006051</a> , <a href="#">NM_006060</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	57528

## Additional Information

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<b>Gene ID</b>	10320
<b>Alias Symbol</b>	Hs.54452, IK1, IKAROS, LYF1, PRO0758, ZNFN1A1, hIk-1
<b>Other Names</b>	DNA-binding protein Ikaros, Ikaros family zinc finger protein 1, Lymphoid transcription factor LyF-1, IKZF1, IK1, IKAROS, LYF1, ZNFN1A1
<b>Target/Specificity</b>	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.
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	IKZF1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	IKZF1
<b>Synonyms</b>	IK1, IKAROS, LYF1, ZNFN1A1
<b>Function</b>	Transcription regulator of hematopoietic cell differentiation (PubMed: <a href="#">17934067</a> ). Binds gamma-satellite DNA (PubMed: <a href="#">17135265</a> ,

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.

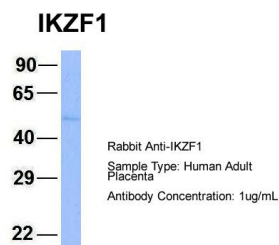
#### Tissue Location

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

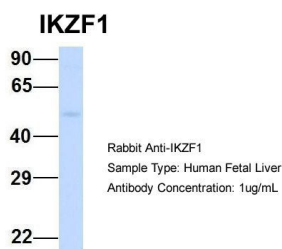
### Background

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](mailto:sales@abgent.com)).

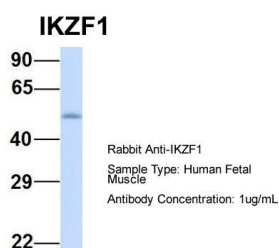
### Images



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 µg/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'.