

IKZF1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10018**Specification**

IKZF1 antibody - middle region - Product Information

| | |
|-------------------|--|
| Application | WB |
| Primary Accession | O13422 |
| Other Accession | O13422 , 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 | 57 kDa KDa |

IKZF1 antibody - middle region - 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.

IKZF1 antibody - middle region - 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

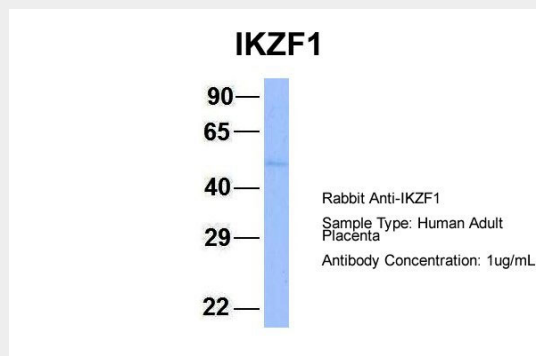
Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

IKZF1 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

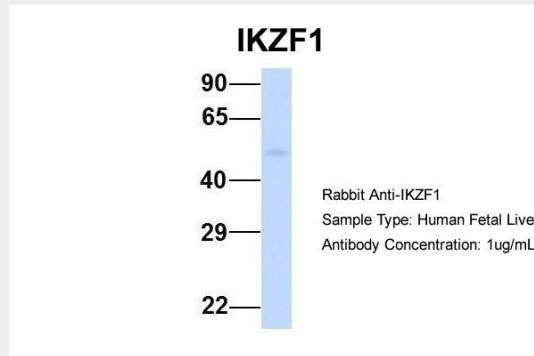
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IKZF1 antibody - middle region - Images

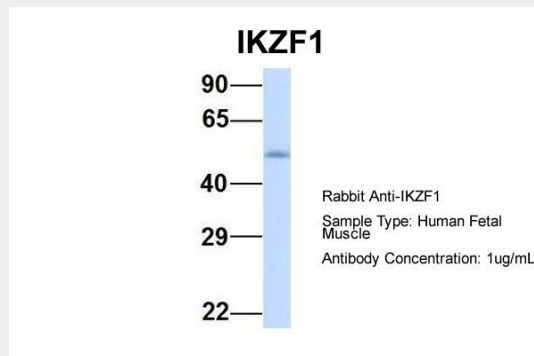


IKZF1 antibody - middle region (AI10018) in Hum. Adult Placenta cells using Western Blot

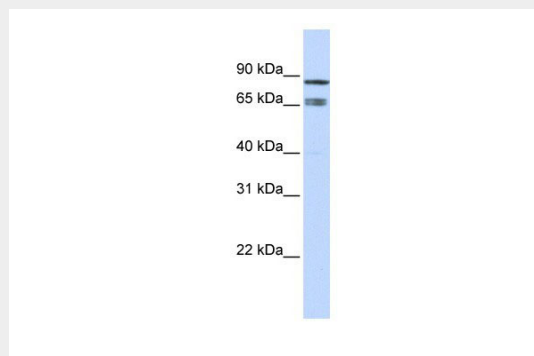
Host: Rabbit
 Target Name: CHAD
 Sample Tissue: Human Adult Placenta
 Antibody Dilution: 1.0µg/ml



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: 1.0µg/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: 1.0µg/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

IKZF1 antibody - middle region - 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).