

DATASHEET

Ikaros Rabbit Polyclonal Antibody

CAT. NO. APA12628

KEY FEATURES

Target	Ikaros	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Transcription regulator of hematopoietic cell differentiation . Binds gamma-satellite DNA . 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) . Function is isoform-specific and is modulated by dominant-negative inactive isoforms .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:50 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Ikaros
Specificity	Recognizes endogenous levels of Ikaros protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Ikaros
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 24-31; Observed: 65 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	IK1; IKAROS; LYF1; ZNFN1A1; DNA-binding protein Ikaros; Ikaros family zinc finger protein 1; Lymphoid transcription factor LyF-1
Gene Symbol	IKZF1
Entrez Gene	10320(Human)
SwissProt	Q13422(Human); Q03267(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

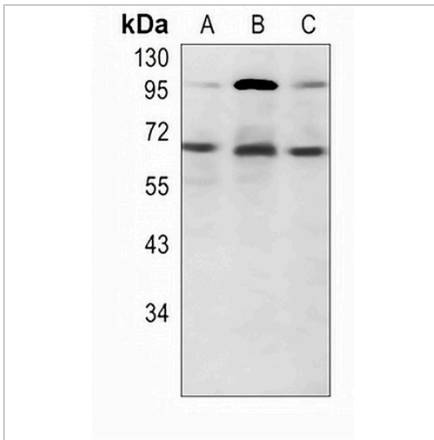
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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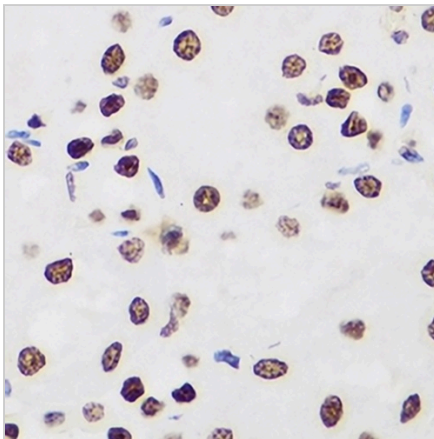
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DATA



Western blot analysis of Ikaros expression in Jurkat (A), K562 (B), SGC7901 (C) whole cell lysates. (Predicted band size: 24-31; 41-57 kD; Observed band size: 65 kD)



Immunohistochemical analysis of Ikaros staining in human kidney formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.