

Datasheet for ABIN3043860
anti-IKZF1 antibody (C-Term)



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4 Images

Overview

Quantity:	100 µg
Target:	IKZF1
Binding Specificity:	AA 428-459, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IKZF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA-binding protein Ikaros(IKZF1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Ikaros (428-459aa LKEEHRAYDLLRAASENSQDALRVVSTSGEQM), different from the related mouse sequence by five amino acids.
Sequence:	LKEEHRAYDL LRAASENSQD ALRVVSTSGE QM
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for DNA-binding protein Ikaros(IKZF1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: IKAROS family zinc finger 1 (Ikaros)

Product Details

Protein Name: DNA-binding protein Ikaros

Purification: Immunogen affinity purified.

Target Details

Target: IKZF1

Alternative Name: IKZF1 ([IKZF1 Products](#))

Background: DNA-binding protein Ikaros is a protein that in humans is encoded by the IKZF1 gene. This gene encodes a transcription factor that belongs to the family of zinc-finger DNA-binding proteins associated with chromatin remodeling. The expression of this protein is restricted to the fetal and adult hemo-lymphopoietic system, and it functions as a regulator of lymphocyte differentiation. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. Most isoforms share a common C-terminal domain, which contains two zinc finger motifs that are required for hetero- or homo-dimerization, and for interactions with other proteins. The isoforms, however, differ in the number of N-terminal zinc finger motifs that bind DNA and in nuclear localization signal presence, resulting in members with and without DNA-binding properties. Only a few isoforms contain the requisite three or more N-terminal zinc motifs that confer high affinity binding to a specific core DNA sequence element in the promoters of target genes. The non-DNA-binding isoforms are largely found in the cytoplasm, and are thought to function as dominant-negative factors.

Synonyms: CLL associated antigen KW 6 antibody|DNA-binding protein Ikaros antibody|Ihk 1 antibody|Hs.54452 antibody|IK1 antibody|Ikaros (zinc finger protein) antibody|IKAROS antibody|IKAROS family zinc finger 1 (Ikaros) antibody|Ikaros family zinc finger protein 1 antibody|Ikzf1 antibody|IKZF1_HUMAN antibody|LYF1 antibody|Lymphoid transcription factor LyF-1 antibody|PRO0758 antibody|Zinc finger protein subfamily 1A 1 (Ikaros) antibody|Zinc finger protein subfamily 1A 1 antibody|Zinc finger protein, subfamily 1A, member 1 antibody|ZNFN1A1 antibody

Gene ID: 10320

UniProt: [Q13422](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

Application Details

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

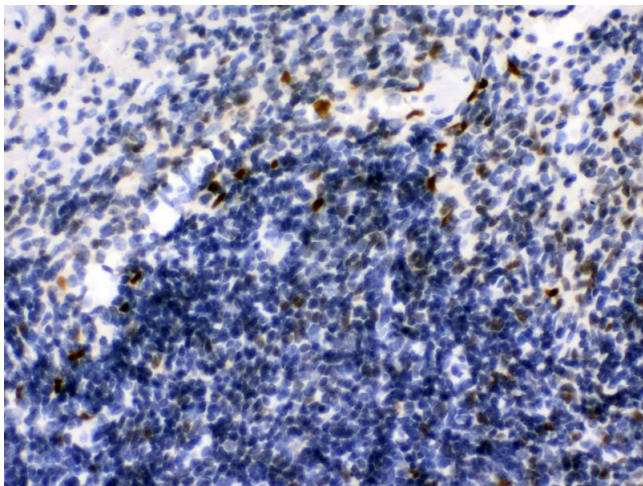
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

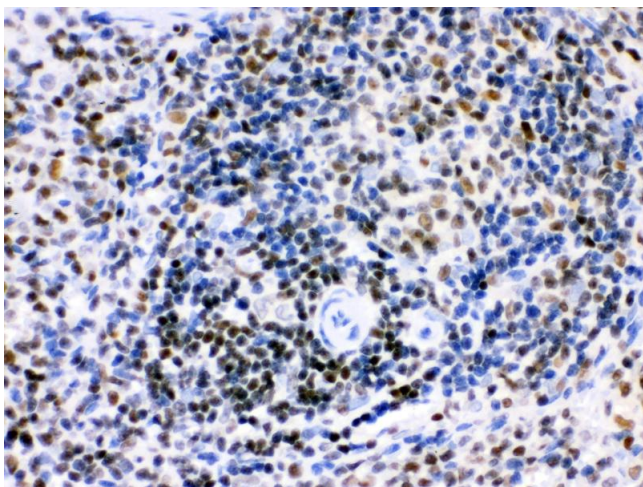
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.

It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.



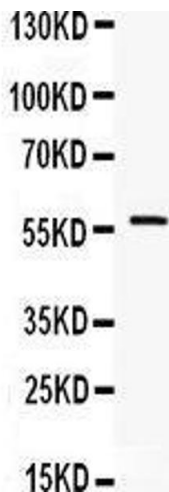
Immunohistochemistry

Image 1. Anti- Ikaros Picoband antibody, IHC(P) IHC(P):
Mouse Spleen Tissue



Immunohistochemistry

Image 2. Anti- Ikaros Picoband antibody, IHC(P) IHC(P): Rat
Spleen Tissue



Western Blotting

Image 3. Observed bind size: 58KD

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3043860.