Datasheet for ABIN3015622

# anti-IKZF1 antibody (AA 1-270)

4 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | IKZF1 |
| Binding Specificity: | AA 1-270 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IKZF1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP) |

## Product Details

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|---|---|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human Ikaros (NP_001207694.1). |
| Sequence: | MDADEGQDMS QVSGKESPPV SDTPDEGDEP MPIPEDLSTT SGGQQSSKSD RVVASNVKVE TQSDEENGRA CEMNGEECAE DLRMLDASGE KMNGSHRDQG SSALSGVGGI RLPNGKLKCD ICGIICIGPN VLMVHKRSHT GERPFQCNQC GASFTQKGNL LRHIKLHSGE KPFKCHLCNY ACRRRDALTG HLRTHSVIKE ETNHSEMAED LCKIGSERSL VLDRLASNVA KRKSSMPQKF LGDKGLSDTP YDSSASYEKE NEMMKSHVMD |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |

## Target Details

| | |
|---|---|
| Target: | IKZF1 |
| Alternative Name: | IKZF1 (IKZF1 Products) |
| Background: | 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. Overexpression of some dominant-negative isoforms have been associated with B-cell malignancies, such as acute lymphoblastic leukemia (ALL).,IKZF1,CVID13,Hs.54452,IK1,IKAROS,LYF1,LyF-1,PPP1R92,PRO0758,ZNFN1A1,Epigenetics & Nuclear Signaling,Transcription Factors,Cancer,Invasion and Metastasis,Cell Biology & Developmental Biology,Apoptosis,IKZF1 |
| Molecular Weight: | 24-31 kDa/41-57 kDa |
| Gene ID: | 10320 |
| UniProt: | Q13422 |
| Pathways: | Production of Molecular Mediator of Immune Response |

## Application Details

| | |
|---|---|
| Application Notes: | WB,1:500 - 1:2000,IF,1:50 - 1:200,ChIP,1:50 - 1:200 |
| Restrictions: | For Research Use only |

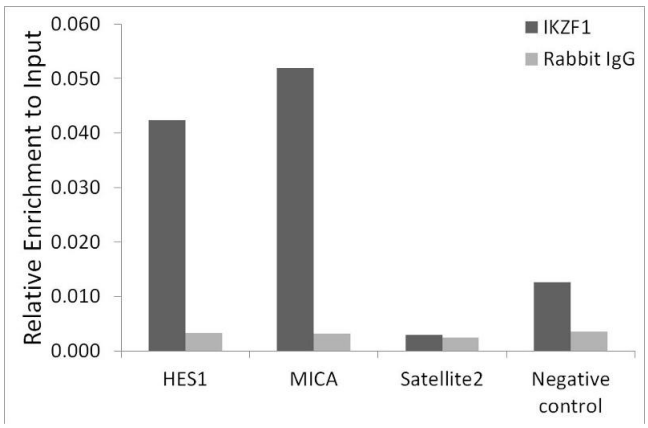
## Handling

| | |
|---|---|
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| 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

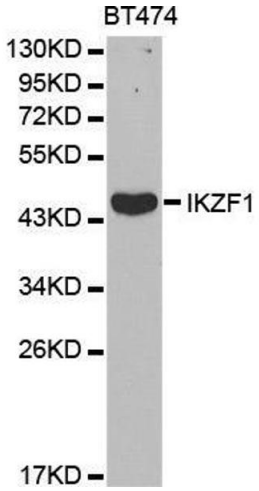
| | |
|---|---|
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |

## Images



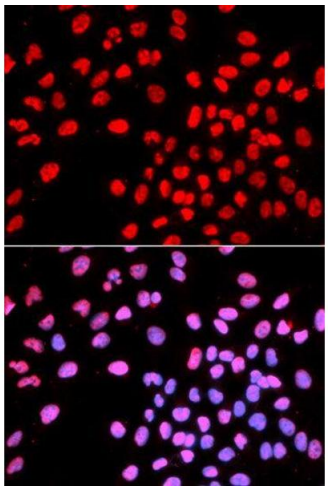

**Chromatin Immunoprecipitation**

**Image 1.** Chromatin immunoprecipitation analysis of extracts of K-562 cells, using Ikaros antibody (ABIN3015621, ABIN3015622, ABIN3015623, ABIN1680423 and ABIN6218979) and rabbit IgG.The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.




**Western Blotting**

**Image 2.** Western blot analysis of extracts of BT474 cell lines, using IKZF1 antibody.



**Immunofluorescence**

**Image 3.** Immunofluorescence analysis of U2OS cell using IKZF1 antibody. Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN3015622.