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IKZF1 (M) Antibody, Rabbit Polyclonal

Cat#: R0794-2

Quantity: 100 ul

Predicted M.W.: 58 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: Q13422

Background:

Ikaros family zinc finger protein 1 (IKZF1) is a transcription factor that belongs to the family of zinc-finger DNA binding proteins associated with chromatin remodeling. The expression of IKZF1 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. All isoforms share a common C-terminal domain, which contains two zinc finger motifs required for hetero- or homodimerization and for interactions with other proteins. The isoforms, however, differ in the number of N-terminal zinc finger motifs that bind DNA and the nuclear localization signal, resulting in members with and without DNA-binding properties. Only a few isoforms display 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 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).

Other Names:

DNA-binding protein Ikaros, Ikaros family zinc finger protein 1, Lymphoid transcription factor LyF-1, IK1, IKAROS, LYF1, ZNFN1A1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the middle region of human IKZF1. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human



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Tested Applications:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

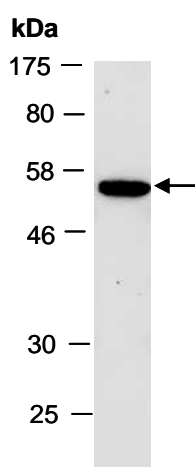


Fig 1. Western blot of total cell extracts from human HeLa, using Ab (R0794-2) at RT for 2 h.

Last Update: 02/2012

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