

IKZF1

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:53kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human IKZF1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

k

Synonym:

IK1; LYF1; hlk-1; IKAROS; PRO0758; ZNFN1A1; Hs.54452;

Catalog #:A1850

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:10320

Isotype:IgG

Swiss Prot:Q13422

Purity:Affinity purification

For research use only.

Background:

Ikaros family proteins, characterized by the presence of an N-terminal zinc finger DNA-binding domain and a C-terminal dimerization domain, belong to the Kruppel transcription factor superfamily. The Ikaros family includes Ikaros, Aiolos, Helios, and possibly EOS and Pegasus (1). They can form homodimers and heterodimers with other members of the Ikaros family. Due to differential splicing, multiple isoforms can be generated and some behave in a dominant negative manner upon dimerization (2). Ikaros, also known as Ikaros family zinc finger protein 1 (IKZF1) and Lymphoid transcription factor 1 (LYF-1), is expressed abundantly in blood cells. Genetic studies in mice demonstrate that Ikaros is important for the normal development of B, T, natural killer, and dendritic cells, and that it functions as a tumor suppressor (3,4). Research studies have shown that imbalanced expression of different Ikaros isoforms, as well as deletions of Ikaros are associated with hematologic malignancies in humans (5-7).

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