**Product Datasheet**

# IKZF1 Antibody

Catalog No: #32470

Package Size: #32470-1 50ul #32470-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

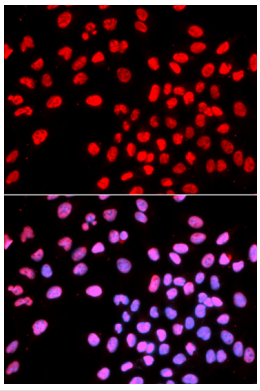
## Description

| | |
|---|---|
| Product Name | IKZF1 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were purified by affinity purification using immunogen. |
| Applications | WB,IF |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total IKZF1 protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant protein of human IKZF1. |
| Target Name | IKZF1 |
| Other Names | IK1; LYF1; hIk-1; IKAROS; PRO0758 |
| Accession No. | Swiss-Prot:Q13422NCBI Gene ID:10320 |
| Uniprot | Q13422 |
| GeneID | 10320; |
| SDS-PAGE MW | 53KD |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C |

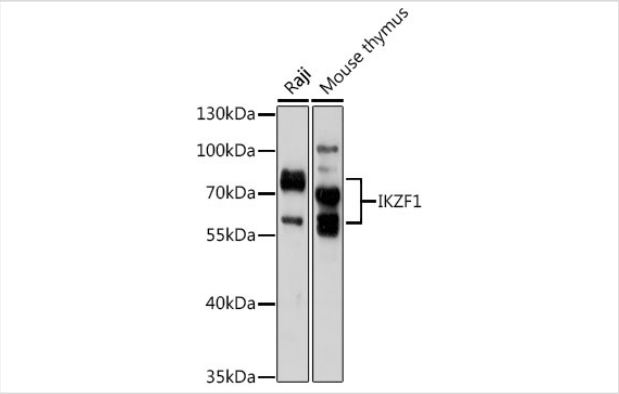
## Application Details

WB□1:500 - 1:2000IF□1:50 - 1:200

## Images



Immunofluorescence analysis of U2OS cells using IKZF1 .
Blue: DAPI for nuclear staining.




Western blot analysis of extracts of various cell lines, using IKZF1 at 1:1000 dilution.

## 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).

Note: This product is for in vitro research use only