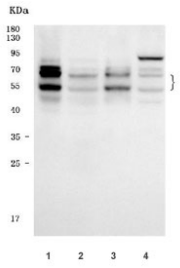
IKZF1 Antibody / IKAROS [clone 5F12H7] (RQ7622)

Catalog No.	Formulation	Size
RQ7622	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	5F12H7
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q13422
Applications	Western Blot : 0.5-1ug/ml
Limitations	This IKZF1 antibody is available for research use only.



Western blot testing of human 1) Daudi, 2) Jurkat, 3) Raji and 4) K562 cell lysate with IKZF1 antibody. Expected molecular weight: ~65/55 kDa (isoforms 1/2).

Description

IKZF1 Antibody specifically binds DNA-binding protein Ikaros, 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.

Researchers studying lymphoid development, hematopoietic differentiation, and immune cell lineage commitment may also be interested in our IKZF1 Antibody / Lymphoid Development Transcription Factor Antibody.

Application Notes

Optimal dilution of the IKZF1 antibody should be determined by the researcher.

Immunogen

Amino acids 428-459 (LKEEHRAYDLLRAASENSQDALRVVSTSGEQM) from the human protein were used as the immunogen for the IKZF1 antibody.

Storage

After reconstitution, the IKZF1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.