




Product datasheet

Anti-IKZF4 antibody ab220329

2 Images

Overview

Product name	Anti-IKZF4 antibody
Description	Rabbit polyclonal to IKZF4
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Recombinant fragment corresponding to Human IKZF4 aa 348-447. Numbering is from isoform 1; the sequence also occurs in isoform 2. Sequence: VNSGGYEKDVELVAHHSLEPGFGSSLAFVGAEHLRPL RLPPTNCISELTP VISSVYTQMQLPGRLELPGSREAGEGPEDLADGGPL LYRPRGPLTDPGA Database link: Q9H2S9  Run BLAST with  Run BLAST with
Positive control	WB; RT4 cell extract. ICC/IF; U-2 OS cells.
General notes	Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user. This product was previously labelled as ZNFN1A4

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, 59% PBS
Purity	Immunogen affinity purified

Clonality Polyclonal

Isotype IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab220329** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.
WB		1/100 - 1/250. Predicted molecular weight: 64 kDa.

Target

Function DNA-binding protein that binds to the 5'GGGAATRCC-3' Ikaros-binding sequence. Transcriptional repressor. Interacts with SPI1 and MITF to repress transcription of the CTSK and ACP5 promoters via recruitment of corepressors SIN3A and CTBP2. May be involved in the development of central and peripheral nervous systems.

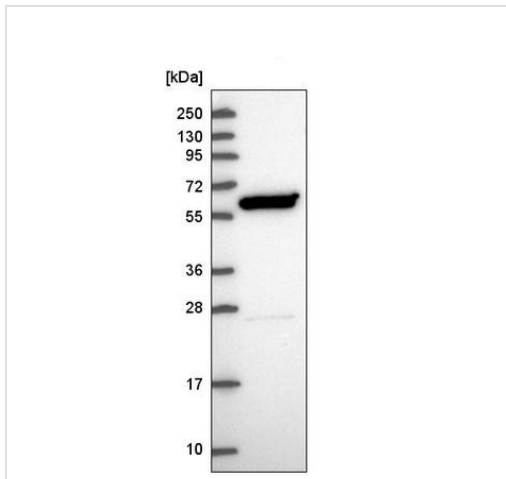
Tissue specificity Highly expressed in skeletal muscle, low levels of expression in heart, thymus, kidney, liver, and spleen. Expressed in the hematopoietic cell lines MOLT-4, NALM-6 and K562. Highly expressed in THP-1 and Mo7e-IL3 cell lines, which have characteristics of myeloid and early megakaryocytic cells respectively.

Sequence similarities Belongs to the Ikaros C2H2-type zinc-finger protein family. Contains 6 C2H2-type zinc fingers.

Domain The N-terminal zinc fingers are involved in sequence-specific DNA binding and heterotypic associations with other family members. C-terminal zinc fingers mediate homodimerization.

Cellular localization Nucleus.

Images

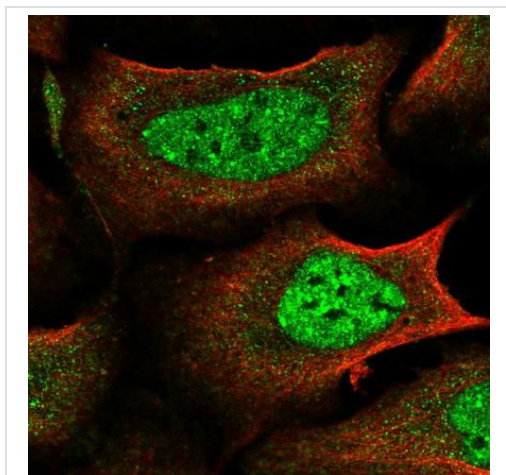


Western blot - Anti-IKZF4 antibody (ab220329)

Anti-IKZF4 antibody (ab220329) at 1/100 dilution + RT4 cell extract

Developed using the ECL technique.

Predicted band size: 64 kDa



Immunocytochemistry/ Immunofluorescence - Anti-IKZF4 antibody (ab220329)

Immunofluorescent analysis of PFA-fixed, Triton X-100 permeabilized U-2 OS cells labeling IKZF4 with ab220329 at 4 µg/ml. Antibody staining is shown in green.

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