

IKZF2 Antibody

Catalog # ASC11900

Specification

IKZF2 Antibody - Product Information

Application WB, IHC, IF
Primary Accession Q9UKS7

Other Accession
Reactivity
Host
Reactivity

Clonality Polyclonal Isotype IgG

Calculated MW Predicted: 58 kDa

Observed: 60 kDa KDa

Application Notes

IKZF2 antibody can be used for detection of IKZF2 by Western blot at 1 - 2 µg/mL.

Antibody can also be used for

immunohistochemistry starting at 5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

IKZF2 Antibody - Additional Information

Gene ID 22807

Target/Specificity

IKZF2; IKZF2 antibody is human, mouse and rat reactive. At least two isoforms of IKZF2 are known to exist; this antibody will detect both isoforms. IKZF2 antibody is predicted to not cross-react with other IKZF proteins.

Reconstitution & Storage

IKZF2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.

Precautions

IKZF2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

IKZF2 Antibody - Protein Information

Name IKZF2

Synonyms HELIOS, ZNFN1A2

Function

Associates with Ikaros at centromeric heterochromatin.

Cellular Location

Nucleus.

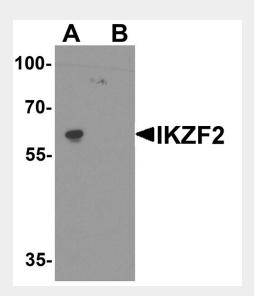


IKZF2 Antibody - Protocols

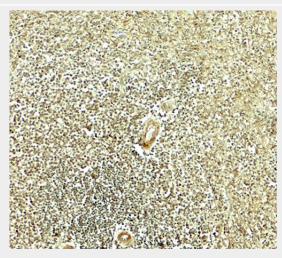
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

IKZF2 Antibody - Images

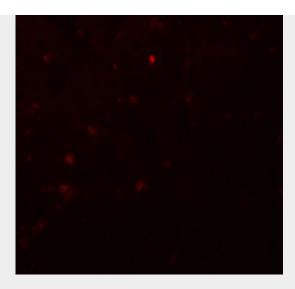


Western blot analysis of IKZF2 in EL4 cell lysate with IKZF2 antibody at 1 μ g/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of IKZF2 in human spleen tissue with IKZF2 antibody at 5 $\mu g/mL$.





Immunofluorescence of IKZF2 in human spleen tissue with IKZF2 antibody at 20 μg/mL.

IKZF2 Antibody - Background

The Ikaros family zinc finger 2 (IKZF2) is a member of the Ikaros family of zinc-finger proteins, a family of hematopoietic-specific transcription factors involved in the regulation of lymphocyte development (1,2). IKZF2 forms homo- or hetero-dimers with other Ikaros family members, and is thought to function predominantly in early hematopoietic development (3). Its expression is a marker for T cell activation and proliferation (4).

IKZF2 Antibody - References

Hahm K, Cobb BS, McCarty AS, et al. Helios, a T cell-restricted Ikaros family member that quantitatively associates with Ikaros at centromeric heterochromatin. Genes Dev. 1998; 12:782-96. John LB and Ward AC. The Ikaros gene family: transcriptional regulators of hematopoiesis and immunity. Mol. Immunol. 2011; 48:1272-8.

Kelly CM, Ikeda T, Koipally J, et al. Helios, a novel dimerization partner of Ikaros expressed in the earliest hematopoietic progenitors. Curr. Biol. 1998; 8:508-15.

Akimova T, Beier UH, Wang L, et al. Helios expression is a marker for T cell activation and proliferation. PLoS One 2011; 6:e24226.