

IKZF2 Antibody
Catalog # ASC11900**Specification**

IKZF2 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q9UKS7
Other Accession	NP_057344 , 119220596
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	Predicted: 58 kDa

Application Notes	Observed: 60 kDa KDa 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 µg/mL. For immunofluorescence start at 20 µg/mL.
-------------------	--

IKZF2 Antibody - Additional InformationGene 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

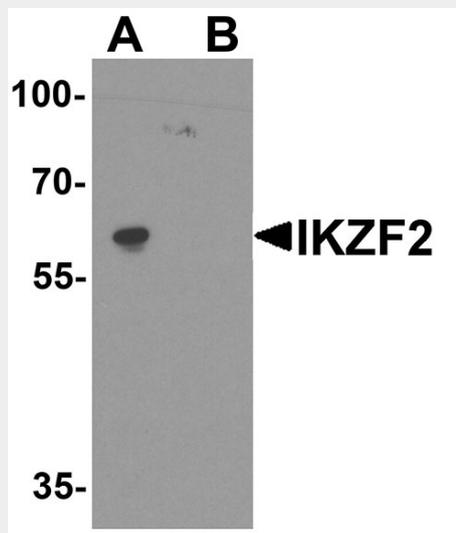
Nucleus.

IKZF2 Antibody - Protocols

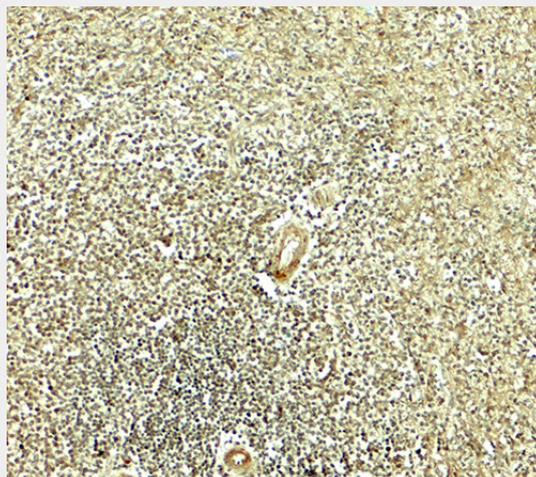
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

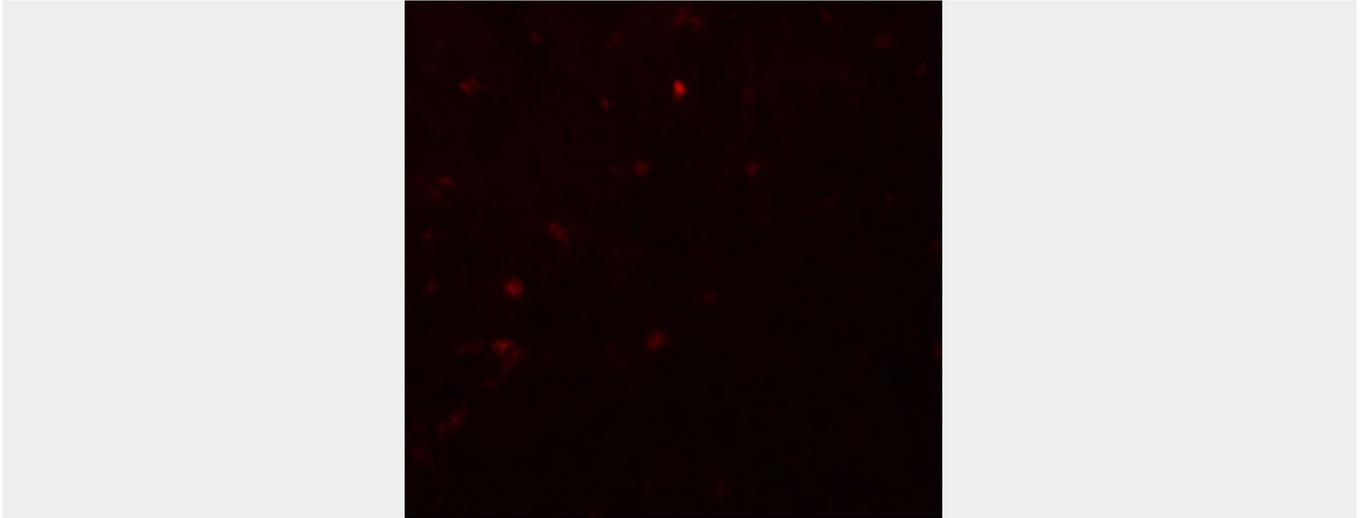
IKZF2 Antibody - Images



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 μ g/mL.



Immunofluorescence of IKZF2 in human spleen tissue with IKZF2 antibody at 20 $\mu\text{g}/\text{mL}$.

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.