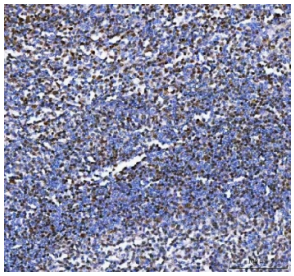
Aiolos Antibody / IKZF3 (RQ8632)

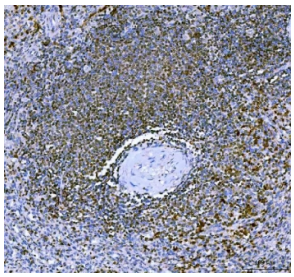
Catalog No.	Formulation	Size
RQ8632	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

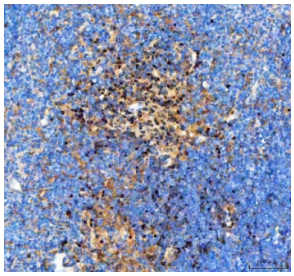
Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9UKT9
Localization	Cytoplasm, Nucleus
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This Aiolos antibody is available for research use only.



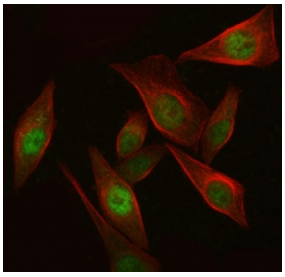
IHC staining of FFPE human tonsil tissue with Aiolos antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



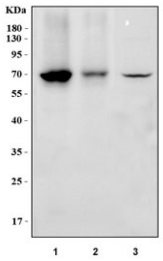
IHC staining of FFPE mouse spleen tissue with Aiolos antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



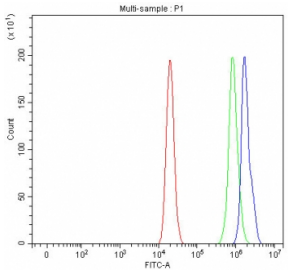
IHC staining of FFPE rat thymus tissue with Aiolos antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human SiHa cells with Aiolos antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human Raji, 2) human Ramos and 3) mouse thymus tissue lysate with Aiolos antibody. Predicted molecular weight ~58 kDa, commonly observed at 58-70 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human ThP-1 cells with Aiolos antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Aiolos antibody.

Description

Zinc finger protein Aiolos also known as Ikaros family zinc finger protein 3 is a protein that in humans is encoded by the IKZF3 gene. This gene encodes a member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This gene product is a transcription factor that is important in the regulation of B lymphocyte proliferation and differentiation. Both Ikaros and Aiolos can participate in chromatin remodeling. Regulation of gene expression in B lymphocytes by Aiolos is complex as it appears to require the sequential formation of Ikaros homodimers, Ikaros/Aiolos heterodimers, and Aiolos homodimers. Several alternative transcripts encoding different isoforms have been described, as well as some non-protein coding variants.

Application Notes

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

Immunogen

An E.coli-derived human recombinant protein (amino acids M1-H456) was used as the immunogen for the Aiolos antibody.

Storage

After reconstitution, the Aiolos 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.