abcam

Product datasheet

HRP Anti-IKZF3 antibody [EPR9342(B)] ab198961

Recombinant RabMAb

3 Images

Overview

Product name	HRP Anti-IKZF3 antibody [EPR9342(B)]
Description	HRP Rabbit monoclonal [EPR9342(B)] to IKZF3
Host species	Rabbit
Conjugation	HRP
Tested applications	**Suitable for:** IHC-P, WB
Species reactivity	**Reacts with:** Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Raji and Ramos whole cell lysates. IHC-P: normal human spleen tissue sections.
General notes	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

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. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR9342(B)
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab198961 in the following tested applications.

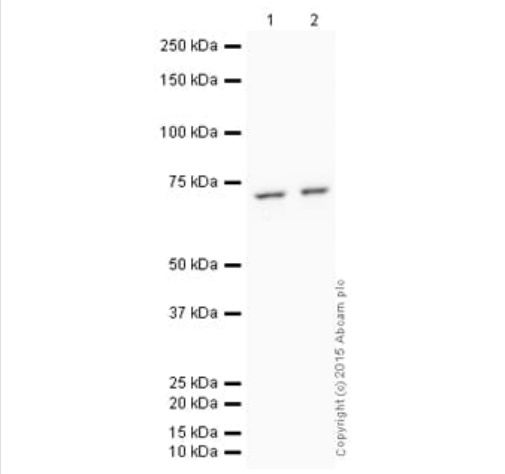
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/7500. Detects a band of approximately 70 kDa (predicted molecular weight: 58 kDa). Can be blocked with **ab184024**

Target

Function	Transcription factor that plays an important role in the regulation of lymphocyte differentiation. Plays an essential role in regulation of B-cell differentiation, proliferation and maturation to an effector state. Involved in regulating BCL2 expression and controlling apoptosis in T-cells in an IL2-dependent manner.
Tissue specificity	Expressed most strongly in peripheral blood leukocytes, the spleen, and the thymus.
Sequence similarities	Belongs to the Ikaros C2H2-type zinc-finger protein family. Contains 6 C2H2-type zinc fingers.
Post-translational modifications	Phosphorylation on tyrosine residues induced by IL2 is required for dissociation from HRAS and nuclear translocation of IKZF3 in T-cells. Phosphorylation on tyrosine residues induced by IL4 is required for dissociation from Bcl-X(L) in T-cells.
Cellular localization	Nucleus. Cytoplasm.

Images



Western blot - HRP Anti-IKZF3 antibody [EPR9342(B)] (ab198961)

All lanes : HRP Anti-IKZF3 antibody [EPR9342(B)] (ab198961) at 1/7500 dilution

Lane 1 : Raji (Human Burkitt's lymphoma cell line) Whole Cell Lysate
Lane 2 : Ramos (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

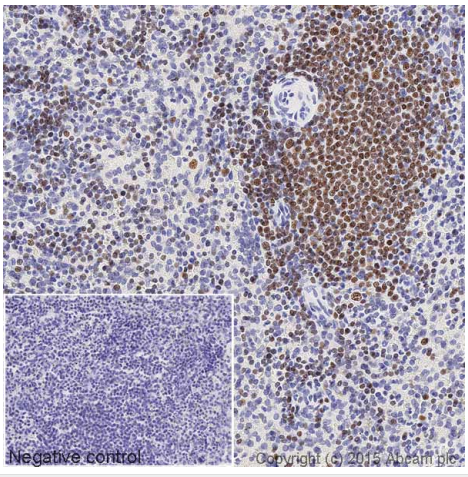
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 58 kDa
Observed band size: 70 kDa

Exposure time: 90 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab198961 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

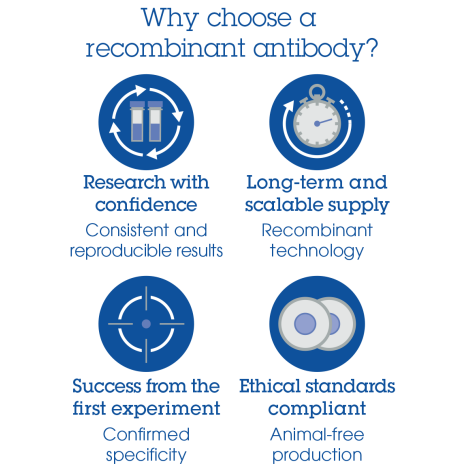


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-IKZF3 antibody [EPR9342(B)] (ab198961)

IHC image of IKZF3 staining in a section of formalin-fixed paraffin-embedded normal human spleen tissue*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab198961 at 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.



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