

Product Datasheet

Aiolos/IKZF3 Antibody (OTI7E11) NBP2-46048

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 3

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NBP2-46048

Aiolos/IKZF3 Antibody (OTI7E11)

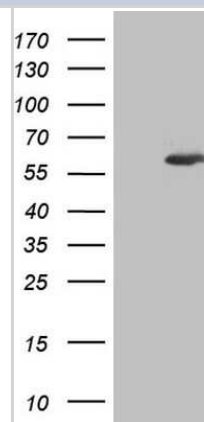
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI7E11
Preservative	0.02% Sodium Azide
Isotype	IgG2b
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	57.8 kDa

Product Description	
Description	Novus Biologicals Mouse Aiolos/IKZF3 Antibody (OTI7E11) (NBP2-46048) is a monoclonal antibody validated for use in IHC and WB. Anti-Aiolos/IKZF3 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	22806
Gene Symbol	IKZF3
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Human recombinant protein fragment corresponding to amino acids 1-301 of human IKZF3 (NP_036613) produced in E.coli.

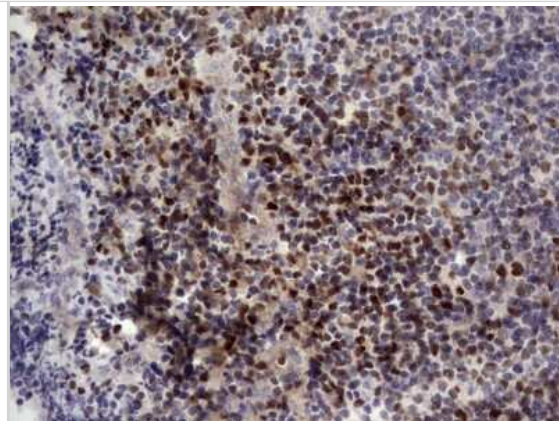
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

Images

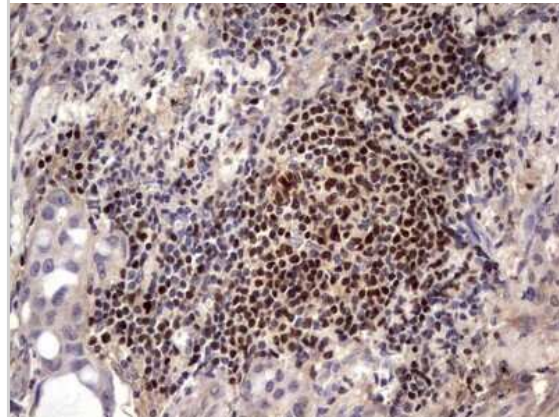
Western Blot: Aiolos/IKZF3 Antibody (7E11) [NBP2-46048] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY IKZF3.



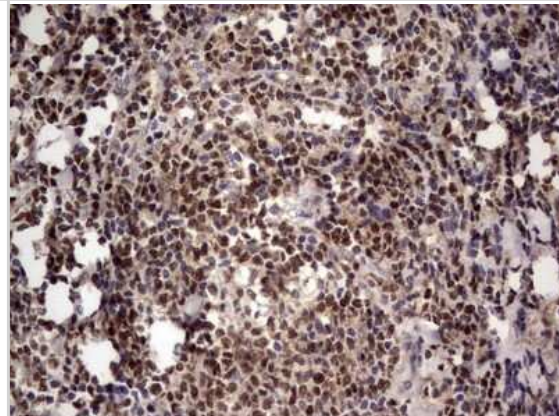
Immunohistochemistry: Aiolos/IKZF3 Antibody (7E11) [NBP2-46048] - Analysis of Human tonsil tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



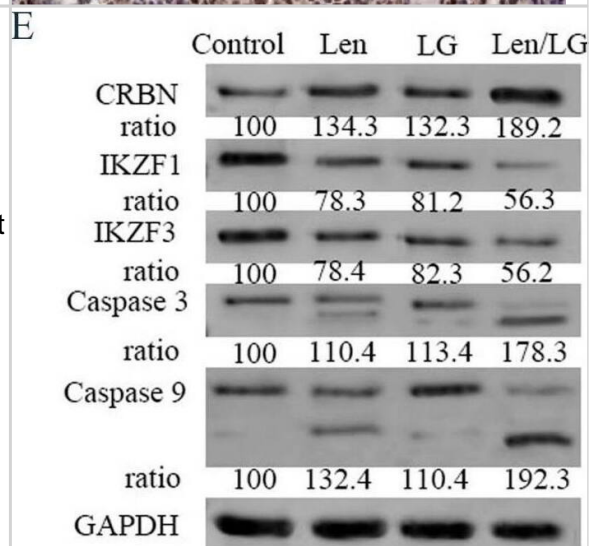
Immunohistochemistry: Aiolos/IKZF3 Antibody (7E11) [NBP2-46048] - Analysis of Carcinoma of Human lung tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



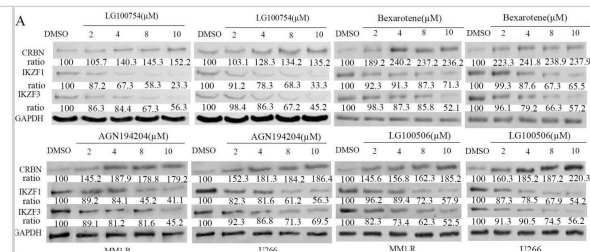
Immunohistochemistry: Aiolos/IKZF3 Antibody (7E11) [NBP2-46048] - Analysis of Human lymphoma tissue. (Heat-induced epitope retrieval by 1 mM EDTA in 10mM Tris, pH8.5, 120C for 3min)



LG100754 attenuates tumor growth and prolongs survival of mice injected with lenalidomide-resistant human MM cells. (A) Representative images of SCID mice with subcutaneous MM tumor. (B) Body weight was measured every 3 days and presented as means \pm SD. (C) LG100754 enhanced lenalidomide-induced attenuations of tumor growth in severe combined immunodeficient mice. (D) Overall survival was evaluated using Kaplan–Meier curve and long-rank analysis from the first day of tumor cell injection until death or occurrence of an event. (E) Tumors treated as above were analyzed by immunoblotting with indicated antibodies. (F) LG100754 reduced the blood glucose level and decrease lipid accumulation. (Left) Approximately 5 mg/kg LG100754 was injected intraperitoneally into mice. Blood glucose level was measured using glucose meter at indicated timepoint. (Right) Approximately 5 mg/kg LG100754 was injected intraperitoneally into mice. Total blood lipid was measured using lipid quantification kit. *: $p < 0.05$; **: $p < 0.01$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37566072>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Increased CRBN expression is associated with synergistic effect of lenalidomide and RXR agonists. (A) U266 and MM1.R were treated with indicated concentrations of RXR agonists for 48 h. Protein lysate was subjected to Western blot with indicated antibodies. (B) Representative images of CRBN in MM cells treated with DMSO or 8 μ M LG100754, 4 μ M bexarotene, 4 μ M AGN194204, and 4 μ M LG101506 for 48 h. Bar graphs display the results of the mean intensity of CRBN immunofluorescence of two groups. (C) U266 and MM1.R were treated with 10 μ M lenalidomide and RXR agonists at concentrations indicated in (B) for 48 h. CRBN, caspase 3, and caspase 9 expression was measured by Western blot. (D) MM1.R and U266 cells were transduced with CRBN-specific CRISP/cas9 knockout vector for 24 h. Cells were then treated with lenalidomide alone, LG100754 alone, or in combination for additional 48 h with or without transduction of CRBN overexpressing plasmid. Cell viability was measured by MTT assay. Results are presented as mean \pm SD from at least three separate experiments. NS: not statistically significant; *: $p < 0.05$; **: $p < 0.01$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/37566072>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Wu J, Wang X, Zhang M et al. RXR Agonists Enhance Lenalidomide Anti-Myeloma Activity and T Cell Functions while Retaining Glucose-Lowering Effect Cells 2023-08-03 [PMID: 37566072]

Sha Y, Wu J, Paul B et al. PPAR agonists attenuate lenalidomide's anti-myeloma activity in vitro and in vivo Cancer letters 2022-07-21 [PMID: 35872263]

Wu J, Chu E, Paul B, Kang Y Mechanistic Studies and a Retrospective Cohort Study: The Interaction between PPAR Agonists and Immunomodulatory Agents in Multiple Myeloma Cancers 2022-10-27 [PMID: 36358696] (WB, Human)



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Products Related to NBP2-46048

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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