

Product Datasheet

NIF1 Antibody NB100-2579

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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NB100-2579

NIF1 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	0.2 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	TBS and 0.1% BSA

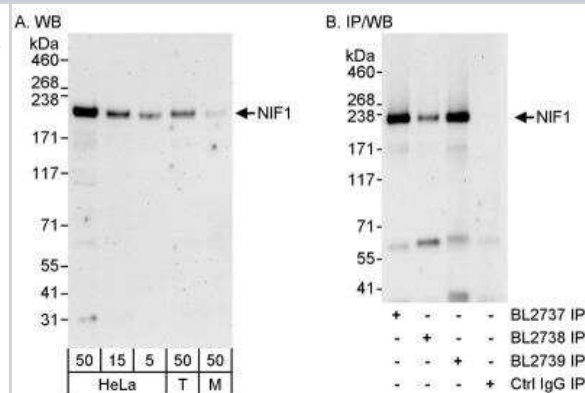
Product Description	
Description	Novus Biologicals Rabbit NIF1 Antibody (NB100-2579) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-NIF1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	63925
Gene Symbol	ZNF335
Species	Human, Mouse
Immunogen	The immunogen recognized by this antibody maps to a region between residue 1300 and the C-terminus (residue 1342) of human NRC-Interacting Factor 1 using the numbering given in entry NP_071378.1 (GeneID 63925).

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:100 -1:500, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:100-1:500
Application Notes	Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.

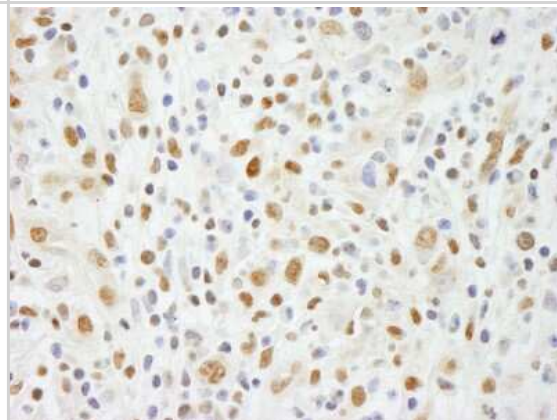


Images

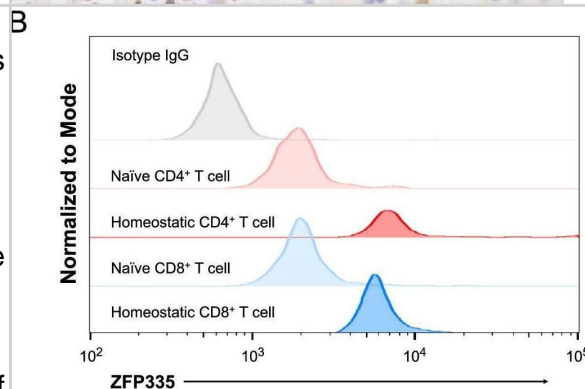
Western Blot: NIF1 Antibody [NB100-2579] - Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), HEK293T (T; 50 ug) and mouse NIH 3T3 (M; 50 ug) cells. NB100-2579 used for WB at 0.04 ug/ml (A) and at 1 ug/ml (B) and used for IP at 3 ug/mg lysate (B). NIF1 was also immunoprecipitated by rabbit anti-NIF1 antibody BL2737 (NB100-2579) and BL2738. Detection was by chemiluminescence, with exposure times of 3 minutes (A) and 30 seconds (B).



Immunohistochemistry-Paraffin: NIF1 Antibody [NB100-2579] - Section of human Hodgkin's lymphoma. Antibody: Affinity purified rabbit anti-NIF1 used at a dilution of 1:200 (1ug/ml). Detection: DAB



Zfp335 is involved in T cell homeostasis A Schematic diagram of T cell adaptive transfer assay. Naive CD4 + T cells (5×10^6) and CD8 + T cells (2×10^6) from WT (ERCreCD45.1 +) and KO (ERCreZfp335fl/flCD45.2 +) mice pretreated with Tamoxifen were stained with CTV, and then were mixed at a 1:1 ratio and intravenously co-transferred into sublethally irradiated (4.5 Gy) recipient mice (CD45.1 + CD45.2 +). On day 7 after adoptive transfer, cells from spleens and lymph nodes of the recipients were performed FACS analysis. B ZFP335 expression in naive T cells (CD4 + CD25-CD44-CD62L + , CD8 + CD44-CD62L +) of WT mice, and in the transferred T cells (CD45.1 + CD4 + /CD8 +) of sublethally irradiated (4.5 Gy) WT mice. C and D MFI statistics of ZFP335 in CD4 + T cells (C) and CD8 + T cells (D). E Representative FACS plots of donor CD4 + T cells and CD8 + T cells (WT donor: CD45.1 + CD4 + /CD8 + ; KO donor: CD45.2 + CD4 + /CD8 +) in the recipient's spleen and lymph nodes. F-I Statistical frequencies of WT (CD45.1 +) and KO (CD45.2 +) T cells in spleens and lymph nodes of the recipient mice (n = 8). Data are representative of three independent experiments shown as the mean +/- s.e.m. Statistical significance was determined by two-sided unpaired t tests. *P ≤ 0.05, **P ≤ 0.01, ***P ≤ 0.001, ****P ≤ 0.0001. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/41088342>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Yang B, Li W, Wang X et al. Zinc finger protein Zfp335 is required for T cell homeostatic proliferation through regulating Lmb1 Cell & Bioscience 2025-10-14 [PMID: 41088342]

Wang X, Jiao A, Sun L et al. Zinc finger protein Zfp335 controls early T-cell development and survival through beta-selection-dependent and -independent mechanisms eLife 2022-02-03 [PMID: 35113015] (Mouse)

Garapaty S, Mahajan MA, Samuels HH et al. Components of the CCR4-NOT complex function as nuclear hormone receptor coactivators via association with the NRC-interacting Factor NIF-1. J Biol Chem 2008-03-01 [PMID: 18180299]





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Products Related to NB100-2579

NB800-PC1	HeLa Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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