

Product Datasheet

BLIMP1/PRDM1 Antibody NBP1-51991

Unit Size: 0.1 mg

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

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NBP1-51991**BLIMP1/PRDM1 Antibody****Product Information**

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

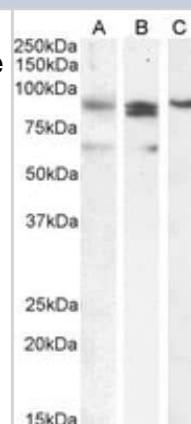
Host	Goat
Gene ID	639
Gene Symbol	PRDM1
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID:32981181)
Marker	Plasma Cell Marker
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_001189.2; NP_878911.1).
Immunogen	Peptide with sequence C-DISDNADRLEDVED, from the internal region of the protein sequence according to NP_001189.2; NP_878911.1.

Product Application Details

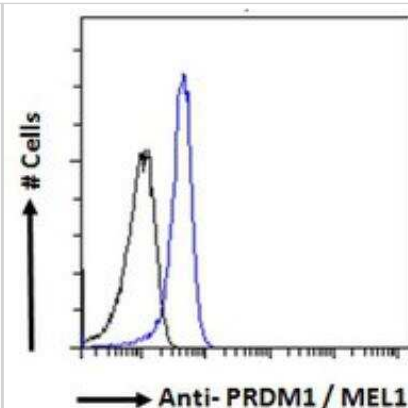
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA, Immunofluorescence
Recommended Dilutions	Western Blot 0.1 - 2 ug/mL, Flow Cytometry 10 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 6 ug/ml, Peptide ELISA Detection limit 1:1000, Immunofluorescence 10 ug/mL
Application Notes	WB: Approx 90kDa band observed in lysates of cell lines A431 and Nuclear K562, and approx. 100kDa in lysates of cell line K562. An additional faint band of approx 70kDa was also seen in some A431 and K562 lysates (calculated MW of 91.8kDa according to NP_001189.2 isoform 1 and 76.8kD according to NP_878911.1 isoform 2). Primary incubation 1 hour at room temperature.

Images

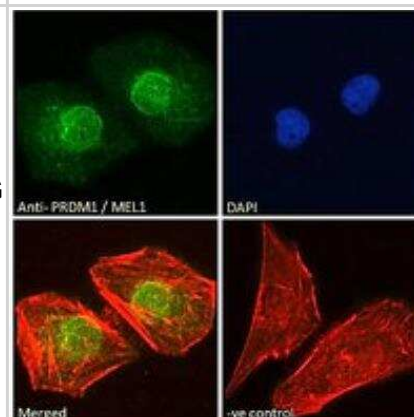
Western Blot: BLIMP1/PRDM1 Antibody [NBP1-51991] - Staining of A431 (A), (2 ug/mL) K562 (B) and (1 ug/mL) Nuclear K562 (C) cell lysate (35 ug protein in RIPA buffer). Antibody at 0.1 ug/mL. Detected by chemiluminescence.



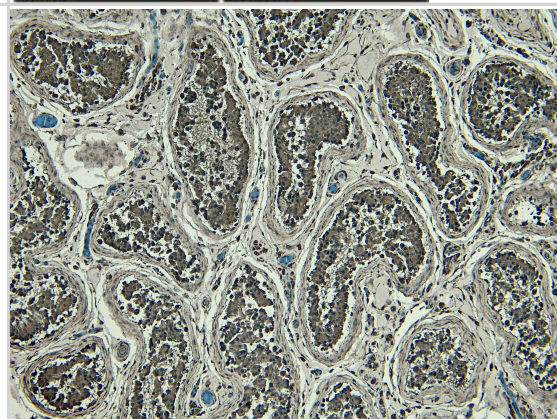
Flow Cytometry: BLIMP1/PRDM1 Antibody [NBP1-51991] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



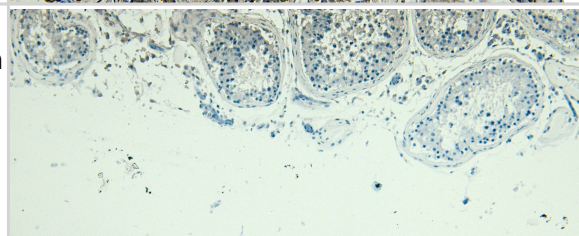
Immunofluorescence: BLIMP1/PRDM1 Antibody [NBP1-51991] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).



Immunohistochemistry-Paraffin: BLIMP1/PRDM1 Antibody [NBP1-51991] - (6ug/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: BLIMP1/PRDM1 Antibody [NBP1-51991] - Negative Control showing staining of paraffin embedded Human Testis, with no primary antibody.



Publications

Zhao Y, Qiu W, Liu J et al. Blockade of Kv1.3 potassium channel inhibits CD8+ T cell-mediated neuroinflammation via PD-1/Blimp-1 signaling FASEB J. 2020-09-27 [PMID: 32981181] (FLOW, Rat)

Wang X, Belguise K, O'Neill CF et al. RelB NF-kappaB represses estrogen receptor alpha expression via induction of the zinc finger protein Blimp1. Mol Cell Biol 2008-05-01 [PMID: 19433448]



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Products Related to NBP1-51991

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
H00000639-Q01-10ug	Recombinant Human BLIMP1/PRDM1 GST (N-Term) Protein

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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