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PRDM1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14521a

Specification

PRDM1 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O75626
Other Accession	Q60636, NP_001189.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**91771**
Antigen Region	**106-134**

PRDM1 Antibody (N-term) - Additional Information

Gene ID 639

Other Names
PR domain zinc finger protein 1, 211-, BLIMP-1, Beta-interferon gene positive regulatory domain I-binding factor, PR domain-containing protein 1, Positive regulatory domain I-binding factor 1, PRDI-BF1, PRDI-binding factor 1, PRDM1, BLIMP1

Target/Specificity
This PRDM1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 106-134 amino acids from the N-terminal region of human PRDM1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PRDM1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PRDM1 Antibody (N-term) - Protein Information

Name PRDM1

Synonyms BLIMP1

Function Transcription factor that mediates a transcriptional program in various innate and adaptive immune tissue-resident lymphocyte T cell types such as tissue-resident memory T (Trm), natural killer (trNK) and natural killer T (NKT) cells and negatively regulates gene expression of proteins that promote the egress of tissue-resident T-cell populations from non-lymphoid organs. Plays a role in the development, retention and long-term establishment of adaptive and innate tissue- resident lymphocyte T cell types in non-lymphoid organs, such as the skin and gut, but also in other nonbarrier tissues like liver and kidney, and therefore may provide immediate immunological protection against reactivating infections or viral reinfection (By similarity). Binds specifically to the PRDI element in the promoter of the beta- interferon gene (PubMed:1851123). Drives the maturation of B- lymphocytes into Ig secreting cells (PubMed:12626569). Associates with the transcriptional repressor ZNF683 to chromatin at gene promoter regions (By similarity). Binds to the promoter and acts as a transcriptional repressor of IRF8, thereby promotes transcription of osteoclast differentiation factors such as NFATC1 and EEIG1 (By similarity).

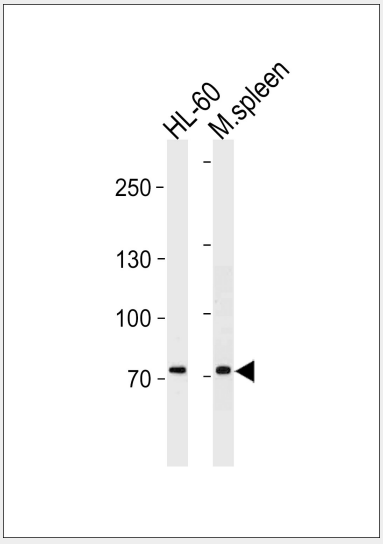
Cellular Location
Nucleus. Cytoplasm

PRDM1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PRDM1 Antibody (N-term) - Images



PRDM1 Antibody (N-term) (Cat. #AP14521a) western blot analysis in HL-60 cell line and mouse spleen tissue lysates (35ug/lane).This demonstrates the PRDM1 antibody detected the PRDM1 protein (arrow).

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PRDM1 Antibody (N-term) - Background

This gene encodes a protein that acts as a repressor of beta-interferon gene expression. The protein binds specifically to the PRDI (positive regulatory domain I element) of the beta-IFN gene promoter. Transcription of this gene increases upon virus induction. Two alternatively spliced transcript variants that encode different isoforms have been reported.

PRDM1 Antibody (N-term) - References

Smith, M.A., et al. J. Immunol. 185(10):6058-6067(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Hangaishi, A., et al. Int. J. Hematol. 91(1):46-53(2010)
Garcia-Bates, T.M., et al. J. Immunol. 183(11):6903-6912(2009)
Raychaudhuri, S., et al. Nat. Genet. 41(12):1313-1318(2009)

PRDM1 Antibody (N-term) - Citations

- Human GV oocytes generated by mitotically active germ cells obtained from follicular aspirates.