10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PRDM1 / BLIMP1 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2294a

Specification

PRDM1 / BLIMP1 Antibody (C-Term) - Product Information

Application	**WB, IHC**
Primary Accession	O75626
Other Accession	NP_001189.2, NP_878911.1, 639, 12142 (mouse)
Reactivity	**Human**
Predicted	**Mouse, Rat, Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**91771**

PRDM1 / BLIMP1 Antibody (C-Term) - Additional Information

Gene ID 639

Other Names
PR domain zinc finger protein 1, 2.1.1.-, 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PRDM1 / BLIMP1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PRDM1 / BLIMP1 Antibody (C-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).

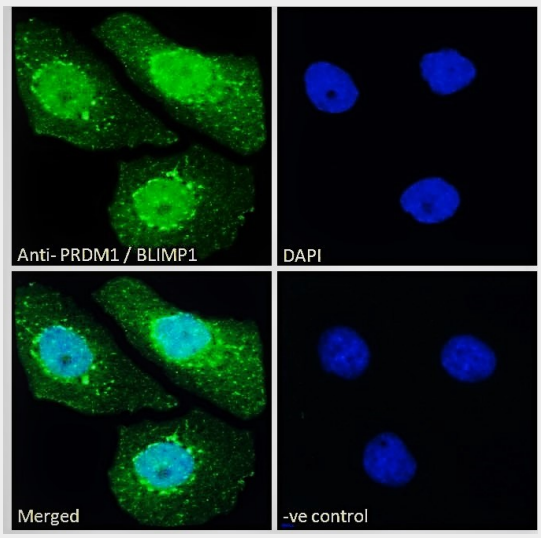
Cellular Location
Nucleus. Cytoplasm

PRDM1 / BLIMP1 Antibody (C-Term) - Protocols

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

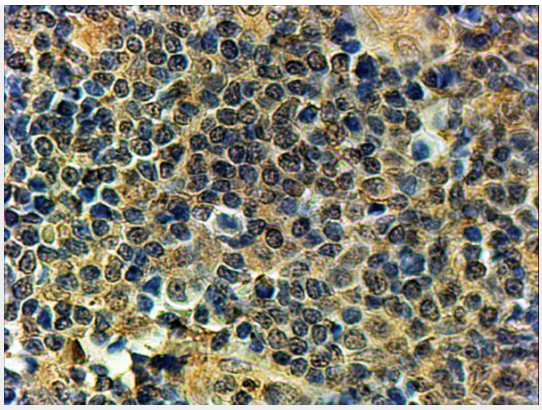
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PRDM1 / BLIMP1 Antibody (C-Term) - Images



AF2294a Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. The nuclear stain is DAPI (blue)

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



AF2294a (2 µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining. Data obtained from previous batch.

PRDM1 / BLIMP1 Antibody (C-Term) - Background

This antibody is expected to recognize both reported isoforms (NP_001189.2 and NP_878911.1).

PRDM1 / BLIMP1 Antibody (C-Term) - References

BLIMP-1: trigger for differentiation of myeloid lineage. Chang DH, Angelin-Duclos C, Calame K. Nat Immunol. 2000 Aug;1(2):169-76. PMID: 11248811