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:<a href="http://www.uniprot.org/citations/1851123" target="_blank">1851123</a>). Drives the maturation of B- lymphocytes into Ig secreting cells (PubMed:<a href="http://www.uniprot.org/citations/12626569" target="_blank">12626569</a>). 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).

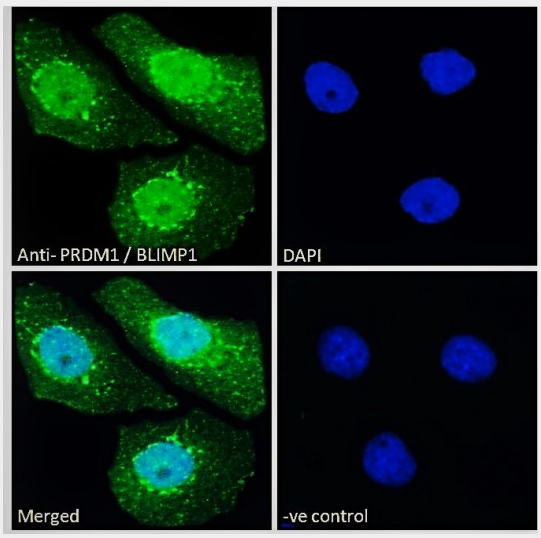
**Cellular Location**
Nucleus. Cytoplasm

## 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)

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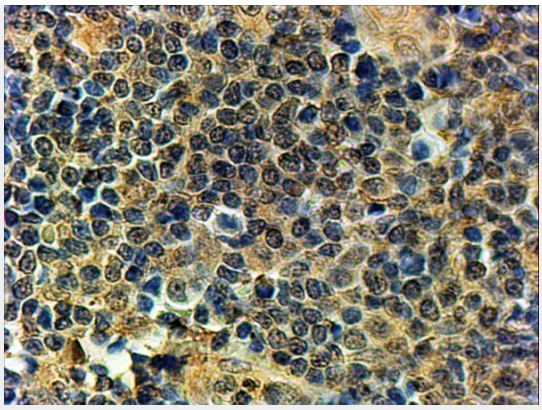

AF2294a (2 µg/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining. Data obtained from previous batch.

**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